

PRECISION MASTECH ENTERPRISES (HONG KONG) LIMITED

Unit 1901, Yen Sheng Centre,
64 Hoi Yuen Road, Kwun Tong,
Kowloon, HONG KONG
Tel: +852-2343-0007
Fax: +852-2343-6217
Email: info@p-mastech.com
http://www.p-mastech.com

PRECISION MASTECH ENTERPRISES (TAIWAN) CORPORATION

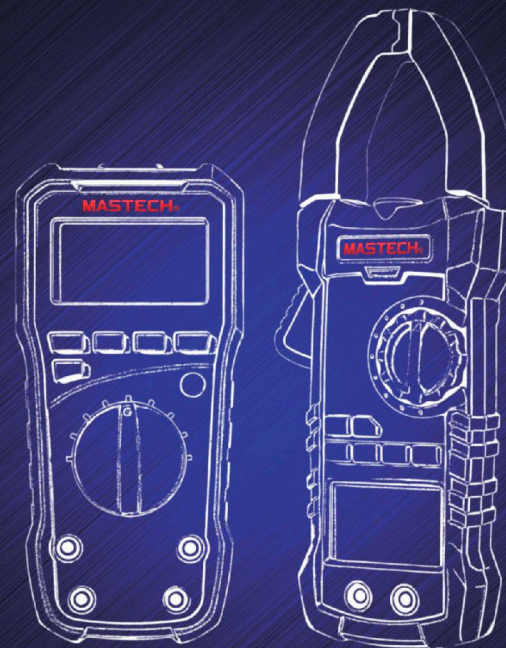
3/F, No. 47, Chang-An E. Rd.,
Taipei, TAIWAN ROC
Tel: +886-2-2521-7079
Fax: +886-2-8192-7347
Email: info@p-mastech.com
http://www.p-mastech.com

SHENZHEN HUAYI MASTECH COMPANY LIMITED

West 9/F, Block 3,
Saige Science Technology Industrial Garden,
Shenzhen, Guangdong, CHINA
Tel: +86-755-8376-6634
Fax: +86-755-8376-6510
Email: info@p-mastech.com
http://www.p-mastech.com

DONGGUAN HUAYI MASTECH COMPANY LIMITED

Yuliangwei Industrial Area, Qingxi,
Dongguan, Guangdong, CHINA
Tel: +86-769-8190-1688
Fax: +86-769-8190-1600
info@p-mastech.com
http://www.p-mastech.com



2012

NEW PRODUCTS CATALOG

BUILD TO PRECISION



MASTECH founded in 1987, is the world's largest instrument manufacturer and the world's leading provider of electronic measuring instruments. One of the best instruments manufactured by MASTECH is a well-known brand recognized by a leader in the industry "High-Tech Enterprises" in Guangdong Province, who is the main drafter of the national standard.

Technology innovation is the source for developing MASTECH. MASTECH Engineering R & D Center is the industry's leading design institution. We have an abundance of high-quality corporate R & D personnel along with first-class sophisticated testing equipment and years of experienced design team. We have strived dogmatically for design innovation, higher quality, safer, durable, accurate and cost-effective technological products to meet customers' needs. In the same time, technological innovation and outstanding ability to provide global customers with a better ODM product design services.

Annual capacity of 3.5 million sets of various types of modern instruments, garden-style, large-scale production base is an important competitive advantage with MASTECH. The company occupies more than twenty thousand square meters, with 1.5 million square meters of central air conditioning system - clean plant. Advanced automatic assembly debugging flow-through and flexible production lines, advanced SMT workshop, injection workshop, silk screen shop, UL table pen test line production workshop, mold design and processing centers, measuring and testing center, first-class production facilities with excellent environment and a huge capacity to provide a stable product supply, ensure that the company maintains its industry leadership. Enterprise and quality management is the core of our successful development of MASTECH. The company has a younger, better educated and more professional management team. MASTECH were the first in the industry with advanced ERP implementation of enterprise information management. From financial management, marketing, product development, manufacturing, logistics management and after-sales service and other aspects fully integrated information management system to ensure efficient operation of the enterprise. The company also established by the international certification body TÜV Rheinland and Certification of ISO9001 international quality standard management system. From supplier selection, incoming inspection to every aspect of production are strictly comply with international quality AQL inspection standard. MASTECH's strict compliance with PDCA and our continuous improvement cycle mode have ensured customers with quality products and meeting their demands.

With our rich product chain, our continuous effort to improve and upgrade are the most important means to win the market at MASTECH. MASTECH successfully markets different fields involving 200 kinds of products that have won widespread praise. We are in the mass production of digital multi-meter and clamp meter as well as electrical testing equipment, safety testing equipment, field instrumentation, analytical instruments, general instrument laboratory, environmental testing equipment, network cable tester, intelligent vehicle detector, and many other high-tech products. MASTECH's R & D and manufacturing are in strict compliance with International Electrotechnical Commission. We follow both safety standards and environmental standards and our products have received various certifications such as EU CE certification, American UL/ETL, and German GS certification. MASTECH has laid a solid foundation and is gradually expanding to every corner of the global market.

Global marketing network and perfect after-sales service system is the driving force of the rapid development of MASTECH. After twenty years of unremitting efforts, MASTECH established more than 700 global strategic partners, selling products in more than one hundred countries and regions in the world. In China, MASTECH brand has always been a leader trusted by customers, and an annual growth rate of 30% of the lead industry. MASTECH product not only is the customers' first choice, but also instruments in the international market of China's famous brand.



EARTH RESISTANCE TESTERS

ADVANCED EARTH RESISTANCE TESTER	
MS2308	P13-14
EARTH RESISTANCE CLAMP METER	
MS2301	P15
DIGITAL EARTH RESISTANCE TESTER	
MS2302	P16

INSULATION TESTERS

HIGH VOLTAGE DIGITAL INSULATION TESTER	
MS5215	P17-18
DIGITAL INSULATION TESTER	
MS5205	P19
MS5203	P20
MS5201	P21

DIGITAL MULTIMETERS

53000 COUNTS AUTORANGING BENCH TOP MULTIMETER	
MS8050	P22
22000 COUNTS AUTORANGING BENCH TOP MULTIMETER	
MS8040	P23
4000 COUNTS AUTORANGING BENCH TOP MULTIMETER	
MS9803R	P24
INSULATION MULTIMETER	
MS5208	P25
AUTORANGING DIGITAL MULTIMETER WITH LAN TESTER	
MS8235	P26
AUTORANGING DIGITAL MULTIMETER WITH LAN/TONE/PHONE TESTER	
MS8236	P27
AUTORANGING DIGITAL MULTIMETER WITH ENVIRONMENTAL TESTER	
MS8209/MS8229	P28
AUTORANGING DIGITAL MULTIMETER WITH INFRARED THERMOMETER	
MS8228	P28
ADVANCED DIGITAL MULTIMETER	
MS8240B/MS8240D	P29
DIGITAL MULTIMETER	
MS8250A/MS8250B/MS8250C	P30
MS8260A/MS8260D/MS8260G	P31
MS8261/MS8265	P32
MS8268/MS8269	P33
MY60/MY61/MY62	P34
MY63/MY64/MY65	P35
MS8233A/MS8233C/MS8233E	P36
MS8221/MS8221D/MS8230B	P37
MS830/MS830B/MS830L/MS838	P38
ADVANCED AUTORANGING DIGITAL MULTIMETER	
MS8232A/MS8232B	P39
POCKET DIGITAL MULTIMETER	
M300	P40
M320	P40
PEN-TYPE AUTORANGING DIGITAL MULTIMETER WITH NCV DETECTOR	
MS8211	P41
PEN-TYPE AUTORANGING DIGITAL MULTIMETER	
MS8211D	P41

DIGITAL CLAMP METERS

THREE PHASE DIGITAL POWER CLAMP METER	
MS2203	P42
HARMONIC POWER CLAMP METER	
MS2205	P43
MS2208	P44
HIGH SENSITIVITY AC LEAKAGE CLAMP METER	
MS2006B/MS2007B	P45
HIGH SENSITIVITY LEAKAGE CLAMP METER	
MS2010B	P46
AC CLAMP METER	
MS2026/MS2026R	P47
AC/DC CLAMP METER	
MS2138/MS2138R	P48
AC MINI DIGITAL CLAMP METER	
MS2008A/MS2008B	P49
AC/DC MINI-JAW CLAMP METER	
MS2107	P50
AC/DC MINI DIGITAL CLAMP METER	
MS2108/MS2108A	P51
AC CLAMP METER	
MS2015A/MS2015B	P52
AC/DC CLAMP METER	
MS2115A/MS2115B	P53
DIGITAL CLAMP METER	
MS2001/MS2001C/MS2101	P54
AC DIGITAL CLAMP METER	
M266/M266C/M266F	P55
DIGITAL OPEN JAW CLAMP METER	
MS2600	P56
CLAMP TRANSDUCER	
MS3300/MS3302	P57

INFRARED THERMOMETERS

NON-CONTACT INFRARED THERMOMETER	
MS6540A/MS6540B	P58
MS6550A/MS6550B	P59
MS6520A/MS6520B/MS6520C	P60
NON-CONTACT INFRARED THERMOMETERS (BODY: FOREHEAD)	
MS6518	P61

CIRCUIT TESTERS

RCD/LOOP TESTER	
MS5910	P62
CIRCUIT ANALYZER	
MS5908	P63
CIRCUIT BREAKER FINDER	
MS5902	P64
SOCKET TESTER	
MS6860B/MS6860C/MS6860D/MS6860E	P65

PROCESS CALIBRATORS

40000 COUNTS MULTI-FUNCTIONS PROCESS CALIBRATOR	
MS7212	P66
THERMOCOUPLE CALIBRATOR	
MS7220	P67
VOLTAGE/mA CALIBRATOR	
MS7221	P67
RTD CALIBRATOR (RESISTANCE TEMPERATURE DETECTOR)	
MS7222	P68
MULTI-FUNCTIONS PROCESS CALIBRATOR	
MS7282	P69
LOOP CALIBRATOR	
MS7207	P70
MULTI-FUNCTIONS LOOP CALIBRATOR	
MS7287	P71

LCR METERS

DIGITAL CAPACITANCE METER	
MY6013A	P72
DIGITAL C/L METER	
MY6243	P72
AUTORANGING DIGITAL LCR TESTER	
MS5308	P73

ELECTRICAL TESTERS

VOLTAGE/CONTINUITY TESTER	
MS8906	P74
THREE PHASE ROTATION INDICATOR	
MS5900	P75
DIGITAL SMD TESTER	
MS8910	P76
AC VOLTAGE & METAL DETECTOR	
MS8902A/MS8902B	P77
AC VOLTAGE DETECTOR	
MS8900	P78

WIRE TESTERS

ADVANCED WIRE TRACKER	
MS6818	P78-80
MULTI-FUNCTIONS CABLE TRACKER	
MS6813	P81
NETWORK CABLE TESTER	
MS6810/MS6811	P82
CABLE TRACKER	
MS6812	P82

ENVIRONMENTAL METERS

MULTI-FUNCTIONS ENVIRONMENT TESTER	
MS6306/MS6308	P83
MS6300	P84
TEMPERATURE HUMIDITY METER	
MS6508	P85
DIGITAL THERMOMETER	
MS6511/MS6512/MS6513/MS6514	P86
DIGITAL SOUND LEVEL METER	
MS6701/MS6708	P87
DIGITAL SOUND LEVEL METER WITH TEMPERATURE & HUMIDITY	
MS6702	P88
DIGITAL LIGHT METER	
MS6612	P89
DIGITAL ANEMOMETER	
MS6252A/MS6252B	P90
DIGITAL TACHOMETER	
MS6208A/MS6208B	P91
ULTRASONIC DISTANCE METER	
MS6450	P92
MOISTURE TESTER	
MS6900	P93
COMBUSTIBLE GAS DETECTOR	
MS6310	P94
CARBON MONOXIDE (CO) DETECTOR	
MS6311	P95
pH METER	
MS6903	P96
ELECTRONIC STUD METAL FINDER	
MS6906	P97
MS6908	P97
PILOT TUBE ANEMOMETER + DIFFERENTIAL MANOMETER	
MS6302	P98

ANALOG MULTIMETERS

ANALOG MULTIMETER	
MS100A/MS100B	P99
MS312/MS318/MS319	P100

DC POWER SUPPLIES

DC POWER SUPPLIES	P101-P106
--------------------------	-----------

ACCESSORIES

TEST LEADS	
T3009/T3009C/T3016/T3016C	P107
T3030/T3030C/T3033	P108



Page	P22	P23	P24	P25	P26	P27	P28
Model	MS8050	MS8040	MS803R	MS5208	MS8235	MS8236	MS8228
DC Voltage	1000V	1000V	1000V	1000V	600V	600V	1000V
AC Voltage	1000V	750V	750V	750V	600V	600V	750V
DC Current	10A	10A	10A	400mA	10A	10A	10A
AC Current	10A	10A	10A	400mA	10A	10A	10A
Resistance	50MΩ	200MΩ	40MΩ	60MΩ	20MΩ	20MΩ	40MΩ
Capacitance	5mF	200mF	40μF	60mF			200μF
Frequency	2MHz	220MHz	800kHz		20kHz		100kHz
Duty Cycle	✓	✓					✓
Inductance							
Type-K Temperature		1300°C 2372°F		1300°C 2372°F			
Infrared Thermometer							300°C 572°F
Environment Temperature							40°C 104°F
Relative Humidity							20%~95%
Sound Level							
Luminosity							
Clamp DCA		2200A					
Clamp ACA		2200A					
ADP Mode			400mV				
Display counts	53000	22000	4000	8600	2000	2000	4000
Autoranging	✓	✓	✓	✓	✓	✓	✓
AC + DC mode	✓	✓	✓	✓	✓	✓	✓
True RMS	✓	✓	✓	✓	✓	✓	✓
Low pass filter		1kHz		1kHz			
dBm Mode	✓	✓	✓	✓			✓
REL Mode	✓	✓	✓	✓			✓
Peak Mode							
hFE Transistor			1000				
Diode	✓	✓	✓	✓	✓	✓	✓
Continuity	✓	✓	✓	✓	✓	✓	✓
MAX/MIN	✓	✓	✓	✓	✓	✓	✓
Data Hold	✓	✓	✓	✓	✓	✓	✓
Data Logging	30		1	100			
VFD Display	✓						
Backlight	✓	✓	✓	✓	✓	✓	✓
Work Light							
Interface	USB	USB	USB				
Insulation Test				1000V 2.0GΩ			
Lan Test				✓		✓	
Phone Check						✓	
Tone						✓	
Battery Test						✓	
Logic Level Test						✓	
NCV						✓	
Laser Pointer							✓
Category	CAT.II 1000V CE	CAT.II 1000V CE	CAT.II 1000V CE	CAT.III 1000V CE	CAT.III 600V CE ETL	CAT.III 600V CE ETL	CAT.II 1000V CE



Page	P28	P28	P29	P28	P30	P30	P30	P31	P31	P32	P32	
Model	MS8228	MS8209	MS8240B	MS8240D	MS8250A	MS8250B	MS8250C	MS8260A	MS8260D	MS8250G	MS8261	MS8255
DC Voltage	1000V	600V	1000V	1000V	1000V	1000V	660V	1000V	1000V	1000V	1000V	1000V
AC Voltage	750V	600V	750V	700V	750V	750V	660V	750V	750V	750V	750V	750V
DC Current	10A	10A	10A	10A	10A	10A	10A	10A	10A	10A	10A	10A
AC Current	10A	10A	10A	10A	10A	10A	10A	10A	10A	10A	10A	10A
Resistance	40MΩ	40MΩ	20MΩ	220MΩ	40MΩ	40MΩ	66MΩ	200MΩ	200MΩ	40MΩ	200MΩ	200MΩ
Capacitance	100μF	200μF	200μF	220mF	100μF	100μF	66mF	200μF	400μF	20μF	200μF	
Frequency	100kHz	100kHz	20kHz	220MHz	5MHz	5MHz	66MHz		20kHz	10MHz		20kHz
Duty Cycle	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓
Inductance					20H							
Type-K Temperature	1000°C 1832°F	1000°C		1000°C 1832°F						1000°C 1832°F		
Infrared Thermometer												
Environment Temperature	40°C 104°F											
Relative Humidity	20%~95%	30%~95%										
Sound Level	40dB~100dB	35dB~100dB										
Luminosity	40000 Lux	40000 Lux										
Clamp DCA												
Clamp ACA												
ADP Mode												
Display counts	4000	4000	2000	22000	4000	4000	6600	2000	20000	4000	2000	20000
Autoranging	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
AC + DC mode	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
True RMS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Low pass filter												
dBm Mode	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
REL Mode	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Peak Mode												
hFE Transistor			✓					✓	✓	✓	✓	✓
Diode	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Continuity	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MAX/MIN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Data Hold	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Data Logging												
VFD Display	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Backlight	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Work Light												
Interface				USB			USB	USB				
Insulation Test												
Lan Test												
Phone Check												
Tone												
Battery Test												
Logic Level Test												
NCV												
Laser Pointer												
Category	CAT.II 1000V CE ETL	CAT.III 600V CE	CAT.III 1000V CE GS	CAT.III 1000V CE GS	CAT.IV 600V CE ETL	CAT.IV 600V CE ETL	CAT.IV 600V CE ETL	CAT.III 1000V CE ETL	CAT.III 1000V CE	CAT.III 1000V CE	CAT.II 1000V CE	CAT.II 1000V CE

DIGITAL MULTIMETER LIST



Page	P33	P33	P34	P34	P34	P35	P35	P35	P36	P36	P36	P37
Model	MS8258	MS8259	MY60	MY61	MY62	MY63	MY64	MY65	MS8233A	MS8233C	MS8233E	MS8221
DC Voltage	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	600V	800V	600V	600V
AC Voltage	750V	750V	750V	750V	750V	750V	750V	750V	600V	800V	600V	600V
DC Current	10A	10A	10A	10A	10A	10A	10A	10A	10A	10A	10A	10A
AC Current	10A	10A	10A	10A	10A	10A	10A	10A	10A	10A	10A	10A
Resistance	40MΩ	20MΩ	200MΩ	200MΩ	200MΩ	200MΩ	200MΩ	200MΩ	2MΩ	2MΩ	20MΩ	20MΩ
Capacitance	200μF	200μF		100μF	100μF		100μF	100μF				
Frequency	200kHz					20kHz	20kHz	20kHz				
Duty Cycle	✓											
Inductance		20H										
Type-K Temperature		1000°C			1000°C		1000°C		1000°C	1000°C	1000°C	1000°C
Infrared Thermometer												
Environment Temperature												
Relative Humidity												
Sound Level												
Luminosity												2000A
Clamp DCA												2000A
Clamp ACA												2000A
ADP Mode												
Display counts	4000	2000	2000	2000	2000	2000	2000	20000	2000	2000	2000	2000
Autoranging	✓										✓	✓
AC+DC mode												
True RMS												
Low pass filter												
dBm Mode		✓										
REL Mode												
Peak Mode												
hFE Transistor		✓	✓	✓	✓	✓	✓	✓				
Diode	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Continuity	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MAX/MIN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Data Hold	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Data Logging												
VFD Display												
Backlight	✓	✓							✓	✓	✓	
Work Light												
Interface												
Insulation Test												
Lan Test												
Pone Check												
Tone												
Battery Test												✓
Logic Level Test												
NCV									✓	✓		
Laser Pointer												✓
Category	CAT.II 1000V CE	CAT.II 1000V CE	CAT.II 1000V CAT.III 600V CE ETL	CAT.II 1000V CAT.III 600V CE	CAT.II 1000V CAT.III 600V CE ETL	CAT.II 1000V CAT.III 600V CE	CAT.II 1000V CAT.III 600V CE	CAT.II 1000V CAT.III 600V CE ETL	CAT.II 600V CE	CAT.II 600V CE	CAT.II 600V CE	CAT.II 600V CE ETL

DIGITAL MULTIMETER LIST



Model	P37	P37	P38	P38	P38	P38	P39	P39	P40	P40	P41	P41
Model	MS821D	MS8230B	MAS830	MAS830B	MAS830L	MAS838	MS8232A	MS8232B	M300	M320	MS8211	MS8211D
DC Voltage	1000V	1000V	800V	600V	600V	600V	600V	600V	500V	800V	600V	600V
AC Voltage	750V	750V	800V	600V	600V	600V	600V	600V	500V	800V	600V	600V
DC Current	10A	10A	10A	10A	10A	10A	200mA	400mA	200mA	400mA	200mA	200mA
AC Current	10A	10A	10A	10A	10A	10A	200mA	400mA	200mA	400mA	200mA	200mA
Resistance	20MΩ	2MΩ	2MΩ	2MΩ	2MΩ	2MΩ	20MΩ	40MΩ	2MΩ	40MΩ	20MΩ	20MΩ
Capacitance								100μF		100μF		
Frequency								5MHz		100kHz		
Duty Cycle								✓				
Inductance												
Type-K Temperature							1000°C					
Infrared Thermometer												
Environment Temperature												
Relative Humidity												
Sound Level												
Luminosity												
Clamp DCA												
Clamp ACA												
ADP Mode												
Display counts	2000	2000	2000	2000	2000	2000	2000	4000	2000	4000	2000	2000
Autoranging							✓	✓		✓	✓	✓
AC+DC mode												
True RMS												
Low pass filter												
dBm Mode												
REL Mode												
Peak Mode												
hFE Transistor	✓	✓										
Diode	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Continuity	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MAX/MIN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Data Hold	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Data Logging												
VFD Display												
Backlight												
Work Light							✓	✓				
Interface												
Insulation Test												
Lan Test												
Pone Check												
Tone												
Battery Test												
Logic Level Test												✓
NCV												✓
Laser Pointer												
Category	CAT.II 600V CE	CAT.II 600V CE	CAT.II 600V CE ETL	CAT.II 600V CE ETL	CAT.II 600V CE ETL	CAT.II 600V CE ETL	CAT.II 600V CE ETL	CAT.II 600V CE ETL	CAT.II 600V CE ETL	CAT.II 600V CE ETL	CAT.II 600V CE ETL	CAT.II 600V CE ETL

DIGITAL CLAMP METER LIST

Page	P42	P43	P44	P45	P45	P46	P47	P48	P48	P48	P49	P49	P50	P51
Model	MS2203	MS2205	MS2208	MS2006B	MS2007B	MS2010B	MS2026	MS2026R	MS2138	MS2138R	MS2008A	MS2008B	MS2107	MS2108
DC Voltage						600V	600V	600V	600V	600V	600V	600V	600V	600V
AC Voltage	600V	600V	600V			600V	600V	600V	600V	600V	600V	600V	600V	600V
DC Current									1000A	1000A			40A	600A
AC Current	1000A	1000A	200A	60A	150A	600A	1000A	1000A	1000A	1000A	600A	800V	40A	600A
Resistance						40MΩ	60MΩ	60MΩ	40MΩ	40MΩ	20MΩ	40MΩ	40MΩ	66MΩ
Capacitance						100μF	4000μF	4000μF	4000μF	4000μF		100μF		66mF
Frequency (From Clamp)						2kHz	1kHz	1kHz	1kHz	1kHz				1kHz
Frequency (From Plug)	1kHz		1kHz			100kHz	10MHz	10MHz	10MHz	10MHz			100kHz	10kHz
Duty Cycle						✓	✓	✓	✓	✓			✓	✓
Insulation Test														
Thermocouple						1000°C 1832°F						750°C		
Inrush Mode														✓
Active Power	600kW	600kW	120kW											
Apparent Power (kVA)	600kVA	600kVA	120kVA											
Reactive Power (kVar)	600kVar	600kVar	120kVar											
Power Factor (PF)	0.3-1	0.3-1	0.3-1											
Active Energy (kWh)	10000 kWh													
Harmonic Measurement		✓	✓											
Display counts	9999	6000	6000	2000	2000	4000	6000	6000	4000	4000	2000	4000	4000	6600
Jaw Opening	φ50mm/2.0"	φ50mm/2.0"	φ26mm/1.0"	φ31mm/1.2"	φ31mm/1.2"	φ31mm/1.2"	φ40mm/1.6"	φ40mm/1.6"	φ42mm/1.7"	φ40mm/1.6"	φ26mm/1.0"	φ26mm/1.0"	φ42mm/1.7"	φ26mm/1.0"
Auto Ranging	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
True RMS	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Low Pass Filter (LPF)						✓			✓	✓				✓
Relative Mode						✓			✓	✓				✓
Diode						✓	✓	✓	✓	✓	✓	✓	✓	✓
Continuity Buzzer	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
MAX/MIN	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Data Logging	28 groups	100 groups												
Data Hold	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Work Light	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Display Backlight	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
NCV	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Interface	USB	RS232											USB	
Category	CAT.III 600V CE	CAT.III 600V CE	CAT.III 600V CE ETL	CAT.III 600V CE	CAT.III 600V CE	CAT.III 600V CE ETL	CAT.III 600V CE	CAT.III 600V CE	CAT.III 600V CE	CAT.III 600V CE	CAT.III 600V CE ETL	CAT.III 600V CE ETL	CAT.III 600V CE	CAT.III 600V CE ETL

DIGITAL CLAMP METER LIST

Page	P51	P52	P52	P45	P45	P54	P54	P54	P55	P55	P55	P56	P57	P57		
Model	MS2106A	MS2015A	MS2015B	MS2115A	MS2115B	MS2001	MS2001C	MS2101	M286	M266C	M266F	MS2600	MS3300	MS3302		
DC Voltage	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V		
AC Voltage	750V	750V	750V	750V	750V	750V	750V	750V	750V	750V	750V	750V	750V	700V		
DC Current	40A			1000A	1000A			1000A						200A		
AC Current	40A	1000A	1000A	1000A	1000A	1000A	1000A	1000A	1000A	1000A	1000A	200A	200A	600A		
Resistance	40MΩ	60MΩ	66MΩ	60MΩ	60MΩ	2kΩ	2kΩ	40MΩ	20kΩ	2MΩ	2MΩ	40MΩ	40MΩ			
Capacitance	4000μF	100mF	66mF	100mF	60mF			40μF								
Frequency (From Clamp)	10kHz	10kHz	10kHz	10kHz	10kHz											
Frequency (From Plug)	10MHz	10MHz	68MHz	10MHz	60MHz			100kHz				2kHz	100kHz			
Duty Cycle	✓	✓	✓	✓	✓				✓				✓			
Insulation Test																
Thermocouple				1000°C 1832°F						750°C		750°C 1400°F				
Inrush Mode				✓	✓					✓		✓				
Active Power											✓	✓				
Apparent Power (kVA)																
Reactive Power (kVar)																
Power Factor (PF)																
Active Energy (kWh)																
Harmonic Measurement																
Display counts	4000	6000	6500	6000	6000	2000	2000	4000	2000	2000	2000	4000				
Jaw Opening	φ26mm/1.0"	φ40mm/1.6"	φ40mm/1.6"	φ40mm/1.6"	φ40mm/1.6"	φ42mm/1.7"	φ42mm/1.7"	φ42mm/1.7"	φ42mm/1.7"	φ50mm/2.0"	φ50mm/2.0"	φ52mm/2.1"	φ55mm	φ28mm		
Auto Ranging	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
True RMS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Low Pass Filter (LPF)																
Relative Mode	✓	✓	✓	✓	✓					✓		✓		✓		
Diode	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Continuity Buzzer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
MAX/MIN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Data Logging																
Data Hold	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Work Light	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Display Backlight	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
NCV	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Interface																
Category	CAT.III 600V CE ETL	CAT.III 1000V CAT.IV 600V CE	CAT.III 1000V CAT.IV 600V CE	CAT.III 1000V CAT.IV 600V CE	CAT.III 1000V CAT.IV 600V CE	CAT.II 1000V CE	CAT.II 1000V CE	CAT.II 1000V CE	CAT.II 1000V CE ETL				CAT.II 1000V CE ETL	CAT.III 600V CE ETL	CAT.II 600V CE	CAT.II 600V CE

INFRARED THERMOMETER LIST

Page	P58	P58	P59	P59	P60	P60	P60	P61
Model	MS6540A	MS6540B	MS6550A	MS6550B	MS6520A	MS6520B	MS6520C	MS6518
Temperature Range	-32°C~850°C -25°F~1562°F	-32°C~1050°C -25°F~1922°F	-32°C~1200°C -25°F~2192°F	-32°C~1200°C -25°F~2192°F	-20°C~300°C -4°F~572°F	-20°C~500°C -4°F~932°F	-20°C~500°C -4°F~932°F	
Temperature Range (Body)						30°C~42°C 85°F~108°F	30°C~42°C 86°F~108°F	
Resolution	±0.1°C/±0.1°F	±0.1°C/±0.1°F	±0.1°C/±0.1°F	±0.1°C/±0.1°F	±0.1°C/±0.1°F	±0.1°C/±0.1°F	±0.1°C/±0.1°F	±0.1°C/±0.1°F
Repeatability	±0.5°C or ±0.5°F	±0.5°C or ±0.5°F	±0.5°C or ±0.5°F	±0.5°C or ±0.5°F	±1°C	±1°C	±1°C	±0.1°C
Distance to Spot	30:1	30:1	50:1	50:1	10:1	10:1	10:1/ Body: 5~15cm	Body: 5~15cm
°C/°F Selection	✓	✓	✓	✓	✓	✓	✓	✓
Emissivity	0.10~1.00	0.10~1.00	0.10~1.00	0.10~1.00	0.95	0.95	0.95	0.98
Response Time	500ms	500ms	500ms	500ms	1 second	1 second	1 second	1 second
Laser Pointer	✓	✓	✓	✓	✓	✓	✓	✓
Data Logging	100 groups	100 groups	100 groups	100 groups	✓	✓	✓	10 groups
Residing Hold	✓	✓	✓	✓	✓	✓	✓	✓
MAX/MIN/AVG	✓	✓	✓	✓	✓	✓	✓	✓
Alarm Setting	✓	✓	✓	✓	✓	✓	✓	✓
Backlight	✓	✓	✓	✓	✓	✓	✓	✓
Low Battery Display	✓	✓	✓	✓	✓	✓	✓	✓
K-TYPE Temperature			-40°C~1370°C -40°F~2498°F	-40°C~1370°C -40°F~2498°F				
Interface	USB	USB	USB	USB	CE	CE	CE	CE
Category	CE	CE	CE	CE	CE	CE	CE	CE

EARTH RESISTANCE TESTER

Page	P13-P14	P13-P14	P13-P14	P15	P16
Model	MS2306	MS2307	MS2306	MS2301	MS2302
Resistance	0.02Ω~300kΩ	0.02Ω~30kΩ	0.02Ω~20kΩ	0.01Ω~1200Ω	0.01Ω~4000Ω
Measurement Voltage	AC 20V/48V DC 20V	AC 20V/48V DC 20V	AC 20V/48V DC 20V	AC 20V/48V DC 20V	AC 20V
Interface	USB	USB	USB	CE	CE
Category	CAT. III 300V CE	CAT. III 300V CE	CAT. III 300V CE	CAT. II 600V CE ETL	CAT. III 300V CE

INSULATION TESTER

Page	P17-P18	P19	P20	P21
Model	MS215	MS205	MS203	MS201
Resistance	0.01MΩ~5TΩ	0.01MΩ~100GΩ	0.01MΩ~10GΩ	0.01MΩ~2GΩ
Measurement Voltage	5kV DC	2.5kV DC	2.5kV DC	1kV DC
Leakage Current Tests	1.00nA~3.00mA			
Voltage Tests	1000V	1000V	1000V	1000V
Short Current	3mA	3mA	1.8mA	1.8mA
Temperature Tests	70.0°C			
Interface	USB			
Category	CAT. III 1000V CE	CAT. III 1000V CE	CAT. III 1000V CE	CAT. II 1000V CE

CIRCUIT TESTER

Page	P64	P65	P63	P62
Model	MS902	MS660	MS508	MS910
Breaker Finding Tests	✓			
Socket Tests	✓	✓		
Circuit Voltage Measurement			✓	✓
RCD Mode			✓	✓
GFCI Mode			✓	✓
Loop Tests			✓	✓
Interface	CE	CE	CE	CE
Category	CAT. II 600V CE	CAT. II 600V CE	CAT. II 600V CE	CAT. III 300V CE

PROCESS CALIBRATOR

Page	P66	P67	P67	P68	P69	P70	P71
Model	MS7212	MS7220	MS7221	MS7222	MS7262	MS7207	MS7287
DC Voltage	300V		100mV		1000V	28V	1000V
AC Voltage	300V				700V		700V
DC Current	400mA		24mA		400mA	20mA	1A
AC Current	400mA				400mA		1A
Resistance	400kΩ				40MΩ		40MΩ
Resistance Temperature Detecting				0Ω - 3200Ω			
Frequency	30kHz				5MHz		20kHz
Capacitance					200μF		
Temperature Tests	1300°C	1900°C 3272°F			✓		
Temperature Simulation		1900°C 3272°F					
DC Voltage Output	15V		100mV				
DC Current Output	25mA		24mA			20mA	20mA/24mA
Frequency Output	5000Hz				10kHz		
Interface	USB						
Category	CAT.II 600V CE	CE	CE	CE	CAT.II 1000V CE	CAT.III 300V CE	CAT.III 1000V CE

LCR METERS

Page	P73	P72	P72
Model	MS6308	MY6013A	MY6243
Inductance	0.001μH - 2000H		1μH - 2H
Capacitance	0.01pF - 20.00mF	0.1pF - 20mF	1pF - 200μF
Resistance	0.01Ω - 200.00MΩ		
Certificate	CE	CE	CE

ELECTRICAL TESTERS

Page	P76	P78	P77	P77	P75	P74
Model	MS8910	MS8900	MS8902A	MS8902B	MS5900	MS8906
Voltage Tests						12V - 600V AC/DC
Resistance	30MΩ					
Continuity Check	✓					✓
Capacitance	30mF					
AC Voltage Detector		✓	✓	✓	✓	
Selectable Sensitivity			✓	✓	✓	
Metal Detector				✓	✓	
Three Phase Rotation Indicator					✓	
Category	CE	CAT.III 600V CE	CAT.III 600V CE ETL	CAT.III 600V CE ETL	CAT.III 300V CE	CAT.III 600V CE ETL

WIRE TESTERS

Page	P82	P82	P82	P81	P79-P80
Model	MS6810	MS6811	MS6812	MS6813	MS6818
Testing Coaxial Cable (BNC)	✓			✓	
Lan Test	✓	✓			
Tone			✓	✓	
Phone Check			✓	✓	
Continuity Test			✓	✓	
Cable Tracker			✓	✓	
Break Point Finder (in the wall or earth)					✓
Sensitivity of receiver can be selected					✓
Category	CE	CE	CE	CE	CAT.III 400V CE

ENVIRONMENTAL METERS



Page	P83	P83	P84	P85
Model	MS6306	MS6308	MS6300	MS6508
Illumination	5000Lux	5000Lux	5000Lux	
Sound Level	130dB	130dB	130dB	
Temperature	50°C/122°F	50°C/122°F	60°C/140°F	60°C/140°F
Humidity	10%RH~90%RH	10%RH~90%RH	20%RH~80%RH	0%RH~100%RH
Anemometer	0.25m/s~15m/s	0.25m/s~15m/s	0.4~20m/s	
Atmospheric Pressure	0kPa~400kPa	0kPa~400kPa		
Global Position System	✓	✓		
CO		5000ppm		
CO2		5000ppm		
Interface	USB	USB		
Certificate	CE	CE	CE	CE

DIGITAL THERMOMETER



Page	P85	P86	P86	P86
Model	MS6511	MS6512	MS6513	MS6514
Thermocouple Type	K, J, T, E	K, J, T, E	K, J, T, E, R, S, N	K, J, T, E, R, S, N
Channel	Single	Dual	Single	Dual
Range	1767°C/3212°F	1767°C/3212°F	1767°C/3212°F	1767°C/3212°F
Data Logging		1000 groups	1000 groups	
Interface	USB	USB	USB	USB
Certificate	CE	CE	CE	CE

DIGITAL LIGHT METER



Page	P89
Model	MS6612
Range	20000Lux
Resolution	0.01Lux/0.01FC
Certificate	CE

DIGITAL ANEMOMETER



Page	P90	P90
Model	MS6252A	MS6252B
Air Velocity	0.40m/s~30m/s	0.40m/s~30m/s
Air Flow	✓	✓
Area Setting	✓	✓
Temperature		60°C/140°F
Humidity		0%~100%RH
Interface	USB	USB
Certificate	CE	CE

DIGITAL TACHOMETER



Page	P91	P91
Model	MS6208A	MS6208B
Contact Measurement	50~1999RPM	
Non-Contact Measurement (photo)		50~1999RPM
Data Logging	100 groups	100 groups
Certificate	CE	CE

ULTRASONIC DISTANCE METER



Page	P92
Model	MS6450
Range	0.6m~15m (2feet~50feet)
Resolution	0.01m(1inch)
Laser pointer	✓
Certificate	CE

MOISTURE TESTER



Page	P93
Model	MS6900
Moisture Range	0~90%
Temperature	50°C/122°F
Humidity	0~100%RH
Certificate	CE

pH METER



Page	P96
Model	MS6903
Range	0~14.00pH
Resolution	0.01pH
Temperature	60°C/140°F
Data Logging	30 groups
Certificate	CE

GAS DETECTOR



Page	P94	P95
Model	MS6310	MS6311
Combustibles Gas Detector	✓	
Carbon Monoxide (CO) Detector		✓
Response Time	2 seconds	2 seconds
Data Logging		10 groups
Certificate	CE	CE

DIGITAL SOUND LEVEL METERS



Page	P87	P87	P88
Model	MS6701	MS6708	MS6702
Range	30dB~130dB	30dB~130dB	30dB~130dB
Data Logging	16000		
Auxiliary Output	✓	✓	✓
Temperature			60°C/140°F
Humidity			10%~90%RH
Interface	USB		
Certificate	CE	CE	CE

ELECTRONIC STUD METAL FINDER



Page	P97	P97
Model	MS6906	MS6908
Stud Detecting Depth	30mm	30mm
Metal Pipe Detecting Depth	50mm	50mm
AC Voltage Detecting Depth	75mm	75mm
Socket Tests	✓	✓
GFCl	✓	✓
Certificate	CAT.II 600V CE	CAT.II 600V CE

PITOT TUBE ANEMOMETER+DIFFERENTIAL MANOMETER



Page	P98
Model	MS6302
Pressure Range	500Pa
Aire Velocity	1~80.00m/s
Aire Flow	✓
Temperature	50°C/122°F
Data Logging	99 groups
Interface	USB
Certificate	CE

MS2308



EMC
LVD



Specifications				
Measurement Mode		MS2308	MS2307	MS2306
3 Pole & 4 Pole	Measuring Voltage: AC20/48V	✓	✓	✓
	Measuring Frequency: 94Hz, 105Hz, 111Hz, 128Hz	✓	✓	94Hz & 128Hz
	Measuring Range	0.02Ω~300kΩ ±(5%+5)	0.1Ω~30kΩ ±(5%+5)	0.1Ω~20kΩ ±(5%+5)
3 Pole & 4 Pole With Current Clamp	Measuring Voltage: AC20/48V	✓	✓	✓
	Measuring Frequency: 94Hz, 105Hz, 111Hz, 128Hz	✓	✓	✓
	Measuring Range	0.02Ω~19.99kΩ ±(5%+5)	0.1Ω~10kΩ ±(5%+5)	
Double Clamps	Measuring Voltage: AC48V	✓	✓	✓
	Measuring Frequency: 94Hz, 105Hz, 111Hz, 128Hz	✓	✓	✓
	Measuring Range	0.02Ω~140Ω ±(10%+5)	0.1Ω~140Ω ±(10%+5)	
R~2 Pole	Measuring Voltage: AC20V	✓	✓	✓
	Measuring Frequency: 94Hz, 105Hz, 111Hz, 128Hz	✓	✓	94Hz & 128Hz
	Measuring Range	0.02Ω~300kΩ ±(5%+5)	0.1Ω~30kΩ ±(5%+5)	0.1Ω~20kΩ ±(5%+5)
R~2/4 Pole	Measuring Voltage: DC20V	✓		
	Measuring Range	0.02Ω~3kΩ ±(5%+5)		
Rk (Compensation Measurement For Wire Resistance)	Measuring Voltage: AC20/48V, DC20V	✓	✓	✓
	Measuring Frequency: 94Hz, 105Hz, 111Hz, 128Hz	✓	✓	94Hz & 128Hz
	Measuring Range	0.02Ω~29.99Ω ±(5%+5)	0.1Ω~29.99Ω ±(5%+5)	0.1Ω~29.99Ω ±(5%+5)
Short Circuit Current		≤250mA	≤100mA	≤100mA
Soil Resistivity	Measuring Voltage: AC20V/48V	✓	✓	✓
	Measuring Frequency: 94Hz, 105Hz, 111Hz, 128Hz	✓	✓	94Hz & 128Hz
	Measuring Range: 0.02kΩm~1000kΩm ±(5%+5)	✓	✓	✓
Measuring Noise Voltage Range: ±1V~±50VDC/AC ±(5%+5)	✓	✓	✓	
Measuring Noise Frequency Range: 16Hz~400Hz ±(1%+2)	✓	✓	✓	
Measuring Noise Current Range: 20mA~2A ±(5%+5)	✓	✓	✓	
USB2.0 Interface		✓	✓	✓
Data Storage	100 Groups Measurement Can Be Memorized	✓	✓	✓
Power Supply	LR14X6; Voltage 9V			
	Recharge Battery: Ni-MH Recharge Battery, 7.2V Charger: Input voltage: 100V~240V; Frequency: 50Hz~60Hz; Output Voltage: 12VDC 3A			
Display	LCD Display, With Back Light, Max 9999			
Product Size	230mm x 125mm x 28.4mm 9.05" x 4.92" x 1.118"			
Product Weight		Approx. 2.5Kg 5.51lb	Approx. 2.5Kg 5.51lb	Approx. 2.5Kg 4.41lb

MS2301

EARTH RESISTANCE CLAMP METER



MS2301



Specifications	Range	Accuracy	Resolution
Measuring Resistance	0.01 Ω~0.999 Ω	±(1.5%+0.01 Ω)	0.001 Ω
	1 Ω~9.99 Ω	±(1.5%+0.1 Ω)	0.01 Ω
	10 Ω~99.9 Ω	±(2.0%+0.3 Ω)	0.1 Ω
	100 Ω~199.9 Ω	±(3.0%+1 Ω)	1 Ω
	200 Ω~400 Ω	±(6.0%+5 Ω)	5 Ω
	400 Ω~800 Ω	±(10%+10 Ω)	10 Ω
	600 Ω~1200 Ω	Approx. 20%	20 Ω
Measuring Resistance	100mA	±(2.5%+1mA)	0.1 mA
	300mA	±(2.5%+2mA)	0.3 mA
	1A	±(2.5%+0.003A)	0.001 A
	3A	±(2.5%+0.01A)	0.003 A
	10A	±(2.5%+0.03A)	0.01 A
	20A	±(2.5%+0.05A)	0.03 A
Features			
Auto Ranging	✓		
Jaw Opening	45mm×32mm/1.8"×1.3"		
Data Logging And Recall	99 groups		
Alarm Limit Setting	Setting Alarm Threshold In 1Ω to 100Ω		
LBD	Low Battery Display		
Data Hold	✓		
General			
Power Supply	Ni-MH 600mAh 1.2V×5 AAA		
Product Size	54mm×104mm×276mm		
Category	1050g		
	2.31lb		
Category	CE ETL CAT.II 600V		

MS2302

DIGITAL EARTH RESISTANCE TESTER

MS2302



Specifications	Measuring Range	Accuracy	Resolution
Earth Ground Resistance	0Ω~29.98Ω	±(1%+2)	0.01Ω
	30Ω~99.9Ω	±(3%+2)	0.1 Ω
	100Ω~999Ω	±(3%+2)	1 Ω
	1.00kΩ~4.00kΩ	±(3%+2)	10 Ω
Measuring Voltage	0V~20.0V (50~60Hz)	±(1%+5)	0.1V
Features			
Digital Display & Analog Bars Display			
2 Pole and 3 Pole Mode			
Earth Resistance By Constant Current Inverter 300Hz/3mA			
MAX/MIN/AVG/REL Measurement Functions			
Data Logging : 100 group Measured Values can be Memorized			
Low Battery Display			
Display Backlight			
General			
Power Supply	6×1.5V AA Batteries		
Product Size	330mm×265mm×125mm		
	13.0"×10.4"×4.9"		
Product Weight	3450g		
	7.6lb		
Category	CE ETL CAT.III 300V		



EMC LVD

MS5215



EMC
LVD



Insulation Testing		
Operating Voltage	Measuring Range	Accuracy
250 V DC	0.01MΩ ~ 2.5GΩ	±(5% + 5)
	2.51GΩ ~ 250GΩ	±(20% + 10)
500 V DC	0.01MΩ ~ 5.0GΩ	±(5% + 5)
	5.01GΩ ~ 500GΩ	±(20% + 10)
1000 V DC	0.01MΩ ~ 10GΩ	±(5% + 5)
	10.1GΩ ~ 500GΩ	±(20% + 10)
	501GΩ ~ 999GΩ	±(30% + 20)
2.5 kV DC	0.01MΩ ~ 25GΩ	±(5% + 5)
	25.1GΩ ~ 500GΩ	±(20% + 10)
	501GΩ ~ 999GΩ	±(30% + 20)
	1TΩ ~ 2.5TΩ	±(30% + 40)
5 kV DC	0.01MΩ ~ 50GΩ	±(5% + 5)
	50.1GΩ ~ 500GΩ	±(20% + 10)
	501GΩ ~ 999GΩ	±(30% + 20)
	1TΩ ~ 5TΩ	±(30% + 40)
Leakage Current Testing		
Range	Measuring Range	Accuracy
10nA	1.00nA ~ 9.99nA	±(15% + 1nA)
100nA	9.00nA ~ 99.9nA	±(15% + 5)
1000nA	100nA ~ 999nA	±(2.5% + 5)
10µA	0.90µA ~ 9.99µA	±(2.5% + 5)
100µA	9.00µA ~ 99.9µA	±(2.5% + 5)
1000µA	900µA ~ 999µA	±(2.5% + 5)
3mA	0.90mA ~ 3.00mA	±(2.5% + 5)
Voltage Testing		
Measuring Mode	DC Voltage	AC Voltage
Measuring Range	±(50V to 1000V)	50V to 750V (50Hz to 60Hz)
Accuracy	±(5% + 5)	±(5% + 5)
Input Impedance	Approx. 10MΩ	Approx. 10MΩ
Temperature testing		
Measuring Range	Accuracy	
-10°C to 0.1°C	±1.5°C	
0.0°C to 40°C	±1.0°C	
40.1°C to 70°C	±1.5°C	
General		
Power Supply	LR6 Battery ×6, or Rechargeable Battery Ni-MH 7.2V(Charger: Input Voltage 100V~240V)	
Product Size	284mm×230mm×125mm/11.2"×9.1"×4.9"	
Product Weight	2500g/5.5lb	
Category	CE CAT.III 1000V	

MS5205

DIGITAL INSULATION TESTER

MS5205



Insulation Tests	
Source Output Voltage	Measuring Range
250V (0%~+20%)	0.01MΩ-250MΩ ±3%
500V (0%~+20%)	0.01MΩ-500MΩ ±3%
1000V (0%~+20%)	0.1MΩ-1000MΩ ±3%
	1.00GΩ-5.00GΩ ±5%
	5.00GΩ-10.00GΩ ±10%
2500V (0%~+20%)	0.1MΩ-2.00GΩ ±3%
	2.00GΩ-20.00GΩ ±5%
	20.00GΩ-100.00GΩ ±10%
Short circuit current	2mA
Multimeter Functions	
DC Voltage Test	Input Impedance Measuring Range
	10MΩ 0.1V-1000V ±0.5%
AC Voltage Test	Input Impedance Measuring Range
	10MΩ 0.1V-750V ±1%
Continuity Test	0.01Ω-200.0Ω ±0.5%
General	
Power Supply	6×1.5V AA Batteries
Product Size	180mm×140mm×65mm/7.1"×5.5"×2.6"
Product Weight	950g/2.0lb
Category	CE CAT.III 1000V



EMC
LVD

MS5203

DIGITAL INSULATION TESTER

MS5203



Insulation Tests		
Source Output Voltage	Measuring Range	
50V (0%~+20%)	0.01MΩ-50MΩ ±3%	
100V (0%~+20%)	0.01MΩ-100MΩ ±3%	
250V (0%~+20%)	0.01MΩ-250MΩ ±3%	
500V (0%~+20%)	0.01MΩ-500MΩ ±3%	
1000V (0%~+20%)	0.1MΩ-1000MΩ ±3%	
	1.00GΩ-5.00GΩ ±5%	
	5.00GΩ-10.00GΩ ±10%	
Short Circuit Current	1.8mA	
Multimeter Functions		
DC Voltage Test	Input Impedance	Measuring Range
	10MΩ	0.1V-1000V ±0.5%
AC Voltage Test	Input Impedance	Measuring Range
	10MΩ	0.1V-750V ±1%
Continuity Test	0.01Ω-200.0Ω ±0.5%	
General		
Power Supply	6×1.5V AA Batteries	
Product Size	180mm×140mm×65mm/7.1"×5.5"×2.6"	
Product Weight	900g/2.0lb	
Category	CE CAT.III 1000V	



EMC
LVD

INSULATION TESTERS

MS5201

DIGITAL INSULATION TESTER

MS5201



Insulation Tests	
Source Output Voltage	Measuring Range
DC 250V ± 10%	0~200MΩ ± (3%+5)
DC 500V ± 10%	0~200MΩ ± (3%+5)
DC 1000V ± 10%	50MΩ~1000MΩ ± (3%+5)
	1000MΩ~2000MΩ ± (5%+5)
Short Circuit Current	≤ 2.5mA
Multimeter Functions	
DC Voltage Test	Input Impedance Measuring Range
	10MΩ 0~1000V ± (0.8%+3)
AC Voltage Test	Input Impedance Measuring Range
	10MΩ 0~700V ± (1.2%+5)
Continuity Test	0.1Ω~200.0Ω ± (1%+3)
General	
Power Supply	6 × 1.5V AA Batteries
Product Size	190mm × 82mm × 32mm (7.5" × 3.2" × 1.3")
Product Weight	545g/1.2lb
Category	CE CAT. II 1000V



EMC LVD

DIGITAL MULTIMETERS

MS8050

53000 COUNTS AUTORANGING BENCH TOP MULTIMETER

MS8050



Specifications	Range	Accuracy
DC Voltage	50mV/500mV/5V/50V/500V/1000V	±(0.33%+6)
AC Voltage	50mV/500mV/5V/50V/500V/1000V	±(0.5%+40)
DC Current	500μA/5mA/50mA/500mA 5A/10A	±(0.15%+10) ±(0.5%+10)
AC Current	500μA/5mA/50mA/500mA 5A/10A	±(0.75%+10) ±(1.0%+10)
Resistance	500Ω/5KΩ/50KΩ/500KΩ/5MΩ 50 MΩ	±(0.1%+5) ±(0.5%+10)
Capacitance	50nF/500nF/5μF/50μF 500μF/5000μF	±(1%+10) ±(2%+10)
Logic Frequency	5Hz~2MHz	±(0.006%+4)
Duty Cycle	10%~90%	±1.0%
Linear Frequency	5Hz~200kHz	±(0.006%+4)
Features		
Display	53000 counts	
Auto Ranging	✓	
Manual Ranging	✓	
Voltage & Current	mV, V, V _A , mA, A	
AC+DC Measurement		
True RMS	For AC Voltage & AC Current	
dBm Measurement	40, 80, 180, 320, 500, 750, 930, 1100, 1250, 1350, 1500, 2000, 2500, 3000, 5000, 6000, 8000, 9000, 10000, 12000	
Relative Measurement	✓	
Diode	2.5V	
Continuity Buzzer	<50Ω	
MAX/MIN/MAX-MIN/AVG	✓	
Data Hold	✓	
Data Logging	30 groups	
VFD Display	✓	
USB Interface	Windows OS	
General		
Power Supply	220V/110V AC	
Product Size	350mm × 240mm × 100mm / 13.8" × 9.4" × 3.9"	
Product Weight	2500g/5.5lb	
Category	CE CAT. II 1000V	



EMC LVD

MS8040



Specifications	Range	Accuracy
DC Voltage	200mV/2V/20V/200V/1000V	±(0.05% +6)
AC Voltage	50mV/500mV/5V/50V/500V/750V	±(0.5% +30)
DC Current	200µA/2mA/20mA/200mA 10A	±(0.15% +15) ±(0.5% +15)
AC Current	200µA/2mA/20mA/200mA 10A	±(0.8% +30) ±(1.0% +30)
Resistance	200Ω/2KΩ/20KΩ/200KΩ/2MΩ 20 MΩ 200 MΩ	±(0.1% +5) ±(0.5% +10) ±(2% +10)
Capacitance	20nF/200nF/2µF/20µF 200µF/2000µF/20mF/200mF	±(1.2% +30) ±(2.2% +30)
Logic Frequency	20Hz - 220MHz	±(0.06% +10)
Duty Cycle	5% - 95%	±10%
Linear Frequency	5Hz - 100kHz	±(0.06% +10)
Temperature(°C)	-30°C - 1300°C	±(1% +2)
Temperature(°F)	-22°F - 2372°F	±(1% +4)
Clamp DC Current	220A/2200A	±(0.1% +10)
Clamp AC Current	AC(50 - 60Hz) 220A/2200A	±(1% +30)
Features		
Display	22000 counts	
Auto Ranging	✓	
Manual Ranging	✓	
True RMS	For AC Voltage & AC Current	
Low pass filter (1kHz)	For AC Voltage & AC Current	
Relative Measurement	✓	
Peak Measurement	✓	
Diode	2.5V	
Continuity Buzzer	<50Ω	
MAX/MIN	✓	
Data Hold	✓	
Display Backlight	✓	
USB Interface	Windows OS	
General		
Power Supply	220V/110V AC(50 - 60Hz), 1×9V 6F22 Battery, 6×1.5V AA Batteries	
Product Size	238mm×230mm×83mm/9.4"×9.1"×3.3"	
Product Weight	1500g/3.3lb	
Category	CE CAT II 1000V	



EMC
LVD

MS9803R



Specifications	Range	Accuracy
DC Voltage	400mV/4V/40V/400V/1000V	±(0.3% +2)
AC Voltage	4V/40V/400V/750V	±(0.8% +15)
DC Current	4mA/40mA/400mA 10A	±(0.8% +5) ±(1.5% +10)
AC Current	4mA/40mA/400mA 10A	±(1.5% +5) ±(2% +10)
Resistance	400Ω/4KΩ/40KΩ/400KΩ 4 MΩ 40 MΩ	±(0.5% +3) ±(1% +5) ±(1.5% +10)
Capacitance	4nF/40nF/400nF/4µF/20µF 20µF - 40µF	±(2% +5) ±(5% +5)
Frequency	100Hz/1kHz/10kHz/100kHz/600kHz	±(0.1% +4)
ADP Measurement	≤ 400mV (10 Counts Per 1mV DC)	±(0.3% +5)
Features		
Display	4000 counts	
Auto Ranging	✓	
Manual Ranging	✓	
True RMS	For AC Voltage & AC Current	
Relative Measurement	✓	
hFE Transistor	1 - 1000	
Diode	2.5V	
Continuity Buzzer	<50Ω	
MAX/MIN	✓	
Data Hold	✓	
Display Storage	Display can be Memorized and Recallable	
Display Backlight	✓	
USB Interface	Windows OS	
General		
Power Supply	220V/110V AC(50 - 60Hz), 1×9V 6F22 Battery, 6×1.5V AA Batteries	
Product Size	238mm×230mm×83mm/9.4"×9.1"×3.3"	
Product Weight	1500g/3.3lb	
Category	CE CAT II 1000V	



EMC
LVD

MS5208

INSULATION MULTIMETER

MS5208



Specifications		
Output Voltage (Insulation)	Range	Accuracy
50V (0~20%)	0~50 MΩ	±(3%+5)
100V (0~20%)	0~100MΩ	±(3%+5)
250V (0~20%)	0~250MΩ	±(3%+5)
500V (0~20%)	0~500MΩ	±(3%+5)
1000V (0~20%)	0~2 ΩGΩ	±(5%+5)
Multimeter Functions	Range	Accuracy
DC Voltage	600mV/6V/50V/500V/1000V	±(5%+5)
AC Voltage	600mV/6V/50V/500V/750V	±(1.5%+30)
DC Current	60mA/400mA	±(1%+5)
AC Current	60mA/400mA	±(1.5%+30)
Resistance	600Ω/5kΩ/50kΩ/600kΩ 6MΩ/60MΩ	±(1.2%+5) ±(2%+20)
Capacitance	6nF/60nF/600nF/ 6μF/60μF/600μF/6mF/60mF	±(5%+20)
Temperature (°C/°F)	-30°C~130°C -22°F~237°F	±(1%+2) ±(1%+4)
Features		
Display	6600 counts	
Auto Ranging	✓	
Manual Ranging	✓	
True RMS	For AC Voltage & AC Current	
DAR/PI	For Insulation mode	
REL	Relative Measurement	
Low Pass Filter Function (1kHz)	For AC Voltage & AC Current	
MAX/MIN/AVG	✓	
Data Hold	✓	
Data Logging	100 groups	
Display Backlight	✓	
General		
Power Supply	4×1.5V AA Batteries	
Product Size	205mm×102mm×58mm/8.1"×4.0"×2.3"	
Product Weight	390g/0.9lb	
Category	CE CAT.III 1000V	

MS8235

AUTORANGING DIGITAL MULTIMETER WITH LAN TESTER

MS8235



Specifications		
DC Voltage	Range	Accuracy
DC Voltage	200mV/2V/20V/200V/600V	±(0.5%+5)
AC Voltage	200mV/2V/20V/200V/600V	±(0.8%+5)
DC Current	200μA/2000μA/20mA/200mA 2A/10A	±(1.2%+5) ±(2.0%+5)
AC Current	200μA/2000μA/20mA/200mA 2A/10A	±(1.5%+5) ±(3.0%+5)
Resistance	200Ω/2kΩ/20kΩ/200kΩ/2MΩ/20MΩ	±(1.0%+5)
Frequency	20kHz	±(1.5%+5)
Features		
Display	2000 counts	
Auto Ranging	✓	
Manual Ranging	✓	
Net Cable Check	1568A, 1568B, 10Base-1	
NCV	Non-Contact Voltage Detector	
Diode	2.5V	
Continuity Buzzer	≈50Ω	
MAX	✓	
Data Hold	✓	
Low Battery Display	✓	
Display Backlight	✓	
General		
Power Supply	1×9V 6F22 Battery	
Product Size	195mm×92mm×55mm/7.7"×3.6"×2.2"	
Product Weight	400g/0.9lb	
Category	CE ETL CAT.III 600V	



DIGITAL MULTIMETERS

MS8236

AUTORANGING DIGITAL MULTIMETER WITH LAN/TONE/PHONE TESTER



MS8236



Specifications	Range	Accuracy
DC Voltage	200mV/2V/20V/200V/600V	±(0.5% + 5)
AC Voltage	200mV/2V/20V/200V/600V	±(0.8% + 5)
DC Current	200µA/2000µA/20mA/200mA 2A/10A	±(1.2% + 5) ±(2.0% + 5)
AC Current	200µA/2000µA/20mA/200mA 2A/10A	±(1.5% + 5) ±(3.0% + 5)
Resistance	200Ω/2KΩ/20KΩ/200KΩ/2MΩ/20MΩ	±(1.0% + 5)
Features		
Display	2000 counts	
Auto Ranging	✓	
Manual Ranging	✓	
Net Cable Check	T568A T568B 10Base-T	
Phone Check	Busy, Ringing or Clear	
Tone	Judge The Continuity Of Cables Or Wires, Diagnose The Break Point	
NCV	Non-Contact Voltage Detector	
Diode	2.5V	
Continuity Buzzer	<50Ω	
MAX	✓	
Data Hold	✓	
Low Battery display	✓	
Display Backlight	✓	
General		
Power Supply	1×9V 6F22 Battery	
Product Size	195mm×92mm×55mm/7.7"×3.6"×2.2"	
Product Weight	400g/0.9lb	
Category	CE ETL CAT.III 600V	

DIGITAL MULTIMETERS

MS8209/MS8228/MS8229

AUTORANGING DIGITAL MULTIMETER WITH ENVIRONMENTAL TESTER



Specifications	Range	Accuracy		
		MS8209	MS8228	MS8229
DC Voltage	400mV/4V/40V/400V/600V	±(0.7% + 2)		
	40mV/400mV/4V/40V/400V/1000V		±(0.7% + 2)	
	400mV/4V/40V/400V/1000V			±(0.7% + 2)
AC Voltage	4V/40V/400V/600V	±(0.8% + 3)		
	40mV/400mV/4V/40V/400V/750V		±(0.8% + 3)	
	400mV/4V/40V/400V/750V			±(0.8% + 3)
DC Current	40mA/400mA	±(1.2% + 3)		
	400µA/4000µA/40mA/400mA		±(1.2% + 3)	±(1.2% + 3)
	4A/10A			±(2.0% + 10)
	10A			±(2.0% + 10)
AC Current	40mA/400mA	±(1.5% + 3)		
	400µA/4000µA/40mA/400mA		±(1.5% + 3)	±(1.5% + 3)
	4A/10A			±(3.0% + 10)
Resistance	40Ω/4KΩ/40KΩ/400KΩ/4MΩ/40MΩ	±(1.2% + 5)	±(1.0% + 5)	±(1.2% + 5)
	Capacitance	1nF/40nF/400nF/4µF/40µF/200µF 50nF/500nF/5µF/50µF/200µF 10nF/40nF/4µF/40µF/100µF	±(3.0% + 3)	
Frequency	10Hz/100Hz/1kHz/10kHz/100kHz	±(2.0% + 5)	±(2.0% + 5)	±(3.0% + 5)
Duty Cycle	0.1% - 99.9%	±3.0%	±3.0%	±3.0%
Temperature(°C)	-20°C - 1000°C	±3.0%		±2.0%
	-4°F - 1832°F			±2.0%
Infrared Thermometer (°C/°F)	-20°C - 300°C		±2.0%	
	-4°F - 572°F		±2.0%	
Environment T (°C/°F)	0°C - 40°C		±2.0°C	±2.0°C
	32°F - 104°F		±4.0°F	±4.0°F
Relative Humidity	30% - 95%	±5.0%	±5.0%	±5.0%
Sound Level	35dB - 100dB	±4.0%		±3.5%
Luminosity	4000lux/40000lux	±5.0%		±5.0%
Features				
Display	Counts	4000	4000	4000
Auto Ranging		✓	✓	✓
Manual Ranging		✓	✓	✓
Sound/Light Warning	For Incorrectly Inserting the Input Plugs		✓	✓
Laser Pointer	Targeting the Measured Point		✓	✓
Relative measurement		✓		✓
°C/°F Selection			✓	✓
hFE	Transistor checking		✓	✓
Diode	2.5V	✓	✓	✓
Continuity Buzzer	<50Ω	✓	✓	✓
Data Hold		✓	✓	✓
Low Battery display		✓	✓	✓
Display Backlight		✓	✓	✓
General				
Power Supply		1×9V 6F22	3×1.5V AAA	3×1.5V AAA
Product Size		198×78×38mm 3.2"×3.1"×1.5"	195×92×55mm 7.7"×3.6"×2.2"	195×92×55mm 7.7"×3.6"×2.2"
Product Weight		260g/0.6lb	400g/0.9lb	400g/0.9lb
Category		CE CAT.III 600V	CE CAT.I 1000V	CE CAT.III 600V

MS8209



MS8228



MS8229



DIGITAL MULTIMETERS

MS8240B/MS8240D

ADVANCED DIGITAL MULTIMETER



MS8240B



MS8240D



Specifications	Range	Accuracy	
		MS8240B	MS8240D
DC Voltage	200mV/2V/20V/200V/1000V 220mV/2.2V/22V/220V/1000V	±(0.7% + 3)	±(0.05% + 3)
AC Voltage	200mV/2V/20V/200V/750V 220mV/2.2V/22V/220V/700V	±(0.8% + 5)	±(0.8% + 4)
DC Current	2mA/20mA/200mA/10A 220µA/2200µA/22mA/220mA/10A	±(1.2% + 5)	±(0.8% + 4)
AC Current	2mA/20mA/200mA/10A 220µA/2200µA/22mA/220mA/10A	±(1.8% + 5)	±(1.0% + 3)
Resistance	200Ω/2KΩ/20KΩ/200KΩ/2MΩ/20MΩ 200Ω/2KΩ/20KΩ/200KΩ/2MΩ/20MΩ	±(1.0% + 3)	±(0.8% + 2)
Capacitance	2nF/20nF/200nF/2µF/20µF/200µF 2nF/20nF/200nF/2µF/20µF/200µF	±(4.0% + 5)	±(2.5% + 3)
Inductance	2mH/20mH/200mH/2H/20H	±(4.0% + 5)	±1%
Frequency	20KHz	±(1.5% + 1)	
Duty Cycle	0~220MHz		±(0.2% + 3)
Temperature(°C)	-20°C~1000°C	±(2% + 2)	±1%
Temperature(°F)	-4°F~1832°F	±(2% + 4)	
Features			
Display	Counts	2000	22000
Auto Ranging		✓	✓
Manual Ranging		✓	✓
Relative Measurement		✓	✓
Peak Measurement		✓	✓
Transistor hFE	0~1000	✓	✓
Diode	2.5V	✓	✓
Continuity Buzzer	<50Ω	✓	✓
MAX/MIN		MAX	MAX/MIN
Data Hold		✓	✓
Display Backlight		✓	✓
Auto Power Off		✓	✓
Low Battery Display		✓	✓
USB Interface	Windows OS		
General			
Power Supply	4 × 1.5V AA Batteries	✓	✓
Product Size	205mm × 102mm × 58mm/8.1" × 4.0" × 2.2"	✓	✓
Product Weight	390g/0.9lb	✓	✓
Category	CAT III 1000V	CE GS	CE GS

DIGITAL MULTIMETERS

MS8250A/MS8250B/MS8250C

DIGITAL MULTIMETER



MS8250A



MS8250B



MS8250C



Specifications	Range	Accuracy		
		MS8250A	MS8250B	MS8250C
DC Voltage	400mV/4V/40V/400V/1000V 600mV/6.6V/66V/660V	±(0.5% + 2)	±(0.5% + 2)	±(0.5% + 2)
AC Voltage	400mV/4V/40V/400V/750V 600mV/6.6V/66V/660V	±(0.8% + 2)	±(0.8% + 2)	±(1.0% + 2)
DC Current	400µA/4000µA/40mA/400mA 4A/10A	±(0.8% + 2)	±(0.8% + 2)	±(1.2% + 2)
AC Current	400µA/4000µA/40mA/400mA 600µA/6000µA/60mA/600mA	±(1.5% + 2)	±(1.5% + 2)	±(2.0% + 2)
Resistance	400Ω/4KΩ/40KΩ/400KΩ/4MΩ/40MΩ 600Ω/6KΩ/60KΩ/600KΩ/6MΩ/60MΩ	±(1.2% + 2)	±(1.2% + 2)	±(3.0% + 2)
Capacitance	50nF/500nF/5µF/50µF/100µF 6.0nF/60nF/600nF/6µF/60µF/600µF	±(3% + 5)	±(3% + 5)	±(3% + 2)
Frequency	0~5MHz	±(0.5% + 2)	±(0.5% + 2)	
Duty Cycle	0~66MHz			±(0.3% + 2)
Duty Cycle	5%~95%	±(2% + 2)	±(2% + 2)	±(2% + 2)
Features				
Display	Counts	4000	4000	8600
Auto Ranging		✓	✓	✓
Manual Ranging		✓	✓	✓
Relative Measurement		✓	✓	✓
REL	Relative Measurement	✓	✓	✓
True RMS	True Root Mean Square Measurement	✓	✓	✓
NCV	Non-Contact Voltage Detection	✓	✓	✓
Diode	2.7V	✓	✓	✓
Continuity Buzzer	<50Ω	✓	✓	✓
MAX/MIN		✓	✓	✓
Data Hold		✓	✓	✓
APC	Auto Power Off	✓	✓	✓
LBD	Low Battery Display	✓	✓	✓
Display Backlight		✓	✓	✓
USB Interface	Windows OS	✓	✓	✓
General				
Power Supply	1 × 9V 8F22 Battery	✓	✓	✓
Product Size	180mm × 86mm × 52mm/7.1" × 3.4" × 2.0"	✓	✓	✓
Product Weight	250g/0.6lb	250g/0.6lb	350g/0.8lb	350g/0.8lb
Category	CAT IV 600V	CE ETL	CE ETL	CE ETL

DIGITAL MULTIMETERS

MS8260A / MS8260D / MS8260G

DIGITAL MULTIMETER



MS8260A



MS8260D



MS8260G



Specifications	Range	Accuracy		
		MS8260A	MS8260D	MS8260G
DC Voltage	200mV/2V/20V/200V/1000V	±(0.5% + 2)	±(0.1% + 5)	
	400mV/4V/40V/400V/1000V			±(0.5% + 2)
AC Voltage	200mV/2V/20V/200V/750V	±(0.8% + 5)		
	2V/20V/200V/750V		±(0.8% - 15)	±(0.8% + 3)
DC Current	400mV/4V/40V/400V/750V			
	20µA/200µA/20mA/200mA	±(1.0% + 5)	±(0.8% + 5)	±(0.8% + 3)
AC Current	2mA/200mA			
	400µA/4000µA/40mA/400mA	±(2.0% + 5)	±(2.0% + 5)	±(1.2% + 2)
Resistance	10A	±(2.0% + 5)	±(2.0% + 5)	±(1.2% + 2)
	20µA/200µA/20mA/200mA	±(1.5% + 5)	±(1.5% + 5)	±(1.5% + 2)
Capacitance	400µA/4000µA/40mA/400mA	±(3.0% + 5)	±(3.0% + 5)	±(2.0% + 2)
	10A	±(3.0% + 5)	±(3.0% + 5)	±(2.0% + 2)
Frequency	200Ω/2KΩ/20KΩ/200KΩ/2MΩ/20MΩ	±(0.8% + 5)	±(0.8% + 5)	±(0.8% + 1)
	200MΩ	±(5% + 5)	±(5% + 5)	±(1.0% + 2)
Duty Cycle	400Ω/4KΩ/40KΩ/400KΩ/4MΩ			
	40MΩ			
Temperature(°C)	20mF/200mF/2µF/20µF/200µF			
	40nF/400nF/4µF/40µF/400µF			
Temperature(°F)	0~20KHz			
	0~10MHz			
Features	0~10MHz			
	Counts	2000	20000	4000
Display	Auto Ranging			
Manual Ranging	REL	Relative Measurement	✓	✓
NCV	NCV	Non-Contact Voltage Detection	✓	✓
Transistor hFE	Transistor hFE	0~1000	✓	✓
Diode	Diode	2.7V	✓	✓
Continuity Buzzer	Continuity Buzzer	<50Ω	✓	✓
MAX/MIN	MAX/MIN		✓	✓
Data Hold	Data Hold		✓	✓
Display Backlight	Display Backlight		✓	✓
General	Power Supply	1×9V 6F22 Battery	✓	✓
	Product Size	188mm×82mm×50mm/7.4"×3.6"×2.0"	✓	✓
Product Weight	Product Weight	350g/0.8lb	✓	✓
Category	Category	CAT.III 1000V	CE ETL	CE CE

DIGITAL MULTIMETERS

MS8261/MS8265

DIGITAL MULTIMETER



MS8261



MS8265



Specifications	Range	Accuracy	
		MS8261	MS8265
DC Voltage	200mV/2V/20V/200V/1000V	±(0.5% + 2)	±(0.1% + 5)
AC Voltage	2V/20V/200V/750V	±(0.8% + 3)	±(0.8% + 15)
DC Current	2mA/20mA/200mA	±(1.5% + 1)	
	2mA/200mA		±(0.5% + 10)
AC Current	10A	±(2.0% + 5)	±(2.0% + 20)
	2mA/200mA	±(1.6% + 3)	±(1.2% + 20)
Resistance	10A	±(3.0% + 7)	±(2.5% + 50)
	200Ω/2KΩ/20KΩ/200KΩ/2MΩ/20MΩ	±(1.0% + 2)	±(0.5% + 5)
Capacitance	200MΩ	±(5% + 10)	±(5% - 20)
	2nF/20nF/200nF/2µF/20µF	±(4% + 3)	
Frequency	20nF/200nF/2µF/20µF/200µF		±(4% - 20)
	0~20KHz		±(1.5% + 15)
Features	2000 counts	2000 counts	
	Display	Sound/Light Warning	For incorrectly inserting The Input Plugs
Transistor hFE	Transistor hFE	0~1000	✓
Diode	Diode	2.7V	✓
Continuity Buzzer	Continuity Buzzer	<50Ω	✓
Data Hold	Data Hold		✓
Display Backlight	Display Backlight		✓
General	Power Supply	1×9V 6F22	1×9V 6F22
	Product Size	mm	mm
Product Weight	Inch	380g/0.8lb	380g/0.8lb
Category	Category	CAT.II 1000V	CE CE

DIGITAL MULTIMETERS

MS8268/MS8269

DIGITAL MULTIMETER



MS8268



MS8269



Specifications	Range	Accuracy	
		MS8268	MS8269
DC Voltage	200mV/2V/20V/200V/1000V		±(0.5%+2)
	400mV/4V/40V/400V/1000V	±(0.7%+2)	
AC Voltage	2V/20V/200V/750V		±(0.8%+3)
	400mV/4V/40V/400V/750V	±(0.8%+3)	
DC Current	200mA		±(1.5%+1)
	400µA/4000µA/40mA/400mA	±(1.2%+3)	
AC Current	10A		±(2.0%+5)
	200mA	±(2.0%+5)	±(1.8%+3)
Resistance	200Ω/2KΩ/20KΩ/200KΩ/2MΩ/20MΩ		±(1.5%+5)
	400Ω/4KΩ/40KΩ/400KΩ/4MΩ	±(1.2%+2)	±(3.0%+7)
Capacitance	20nF/200nF/2µF/200µF		±(2.0%+5)
	4nF/40nF/400nF/4µF/40µF/200µF	±(2.0%+5)	±(4%+8)
Frequency	0 ~ 200KHz	±(3%+3)	
Duty Cycle	5% ~ 95%	±(2.0%+5)	
Inductance	20mH/200mH/2H/20H	±(2%+2)	±(3%+8)
Temperature(°C)	-20°C ~ 1000°C		±(2%+2)
Features			
Display		4000 counts	2000 counts
Auto Ranging		✓	✓
Manual Ranging		✓	✓
Sound/Light Warning	For Incorrectly Inserting The Input Plugs	✓	✓
REL	Relative Measurement	✓	✓
Transistor hFE	0 ~ 1000	✓	✓
Diode	2.7V	✓	✓
Continuity Buzzer	<50Ω	✓	✓
Data Hold		✓	✓
Display Backlight		✓	✓
General			
Power Supply		3×1.5V AAA	1×9V 6F22
Product Size	mm	195×92×55	195×92×55
	Inch	7.7×3.6×2.2	7.7×3.6×2.2
Product Weight		400g/0.9lb	380g/0.8lb
Category	CAT.II 1000V	CE	CE

DIGITAL MULTIMETERS

MY60/MY61/MY62

DIGITAL MULTIMETER



MY60



MY61



MY62



Specifications	Range	Accuracy		
		MY60	MY61	MY62
DC Voltage	200mV/2V/20V/200V	±(0.5%+3)	±(0.5%+3)	±(0.5%+3)
	1000V	±(0.8%+3)	±(0.8%+3)	±(0.8%+3)
AC Voltage	200mV	±(1.2%+3)	±(0.8%+3)	±(0.8%+3)
	2V/20V/200V	±(0.8%+3)	±(0.8%+3)	±(0.8%+3)
DC Current	750V	±(1.2%+3)	±(1.2%+3)	±(1.2%+3)
	20µA	±(2.0%+5)	±(0.8%+3)	
AC Current	20µA	±(0.8%+3)		
	2mA/20mA/200mA	±(1.5%+1)	±(1.5%+1)	±(1.5%+1)
Resistance	10A	±(2.0%+5)	±(2.0%+5)	±(2.0%+5)
	20µA/200µA	±(1.8%+5)	±(1.8%+5)	±(1.8%+5)
Capacitance	2mA/20mA/200mA	±(1.8%+5)	±(1.8%+5)	±(1.8%+5)
	200Ω/2KΩ/20KΩ/200KΩ/2MΩ	±(3.0%+5)	±(3.0%+5)	±(3.0%+5)
Temperature(°C)	10A	±(3.0%+5)	±(3.0%+5)	±(3.0%+5)
	200Ω/2KΩ/20KΩ/200KΩ/2MΩ	±(0.8%+3)	±(0.8%+3)	±(0.8%+3)
Features	20MΩ	±(1.0%+5)	±(1.0%+5)	±(1.0%+5)
	200µA	±(6.0%+10)	±(6.0%+10)	±(6.0%+10)
Display	Counts	2000	2000	2000
Transistor hFE	0 ~ 1000	✓	✓	✓
Diode	2.7V	✓	✓	✓
Continuity Buzzer	<50Ω	✓	✓	✓
Data Hold		✓	✓	✓
APD	Auto Power Off	✓	✓	✓
LBD	Low Battery Display	✓	✓	✓
General				
Power Supply		1×9V 6F22	1×9V 6F22	1×9V 6F22
Product Size	mm	190×89×51	190×89×51	190×89×51
	Inch	7.5×3.5×2.0	7.5×3.5×2.0	7.5×3.5×2.0
Product Weight		412g/0.9lb	412g/0.9lb	412g/0.9lb
Category	CAT.II 1000V	CE ETL	CE	CE ETL

DIGITAL MULTIMETERS

MY63/MY64/MY65

DIGITAL MULTIMETER



MY63



MY64



MY65



Specifications	Range	Accuracy		
		MY63	MY64	MY65
DC Voltage	200mV/2V/20V/200V	±(0.5%+3)	±(0.5%+3)	±(0.1%+3)
	1000V	±(0.8%+3)	±(0.8%+3)	±(0.15%+3)
AC Voltage	2V/20V/200V	±(0.8%+3)	±(0.8%+3)	±(0.6%+10)
	750V	±(1.2%+3)	±(1.2%+3)	±(0.5%+15)
DC Current	2mA/20mA/200mA	±(1.5%+1)	±(1.5%+1)	±(0.8%+5)
	10A	±(2.0%+5)	±(2.0%+5)	±(2.0%+10)
AC Current	2mA/20mA/200mA	±(1.8%+5)	±(1.8%+5)	±(0.8%+10)
	10A	±(3.0%+5)	±(3.0%+5)	±(2.0%+10)
Resistance	200Ω/2KΩ/20KΩ/200KΩ/2MΩ	±(0.8%+3)	±(0.8%+3)	±(0.5%+3)
	20MΩ	±(1.0%+5)	±(1.0%+5)	±(0.5%+1)
Capacitance	2nF/20nF/200nF/2μF	±(4.0%+3)	±(4.0%+3)	±(4.0%+20)
	20nF/200nF/2μF/20μF	±(6.0%+10)	±(6.0%+10)	±(6.0%+10)
Frequency	100μF	±(6.0%+10)	±(6.0%+10)	±(6.0%+10)
	20kHz	±(1.5%+5)	±(1.5%+5)	±(1.5%+5)
Temperature(°C)	-20°C-1000°C	±(2%+2)		
Special Functions				
Display	Counts	2000	2000	20000
Transistor hFE	0~1000	✓	✓	✓
Diode	2.7V	✓	✓	✓
Continuity Buzzer	<50Ω	✓	✓	✓
Data Hold		✓	✓	✓
APO	Auto Power Off	✓	✓	✓
LBD	Low Battery Display	✓	✓	✓
General Characteristic				
Power Supply		1×9V 6F22	1×9V 6F22	1×9V 6F22
Product Size	mm	150×89×51	190×89×51	190×89×51
	Inch	7.5×3.5×2.0	7.5×3.5×2.0	7.5×3.5×2.0
Product Weight		412g/0.9lb	412g/0.9lb	412g/0.9lb
Category	CAT.II 1000V CAT.III 600V	CE	CE	CE ETL

DIGITAL MULTIMETERS

MS8233A/MS8233C/MS8233E

DIGITAL MULTIMETER



MS8233A



MS8233C



MS8233E



Specifications	Range	Accuracy		
		MS8233A	MS8233C	MS8233E
DC Voltage	200mV/2V/20V/200V	±(0.5%+3)	±(0.5%+3)	±(0.5%+3)
	600V	±(0.8%+5)	±(0.8%+5)	±(0.8%+2)
AC Voltage	200V/600V	±(1.2%+10)	±(1.2%+10)	±(0.9%+3)
	2V/20V/200V			±(1.2%+3)
DC Current	200μA/2mA/20mA/200mA	±(1.0%+3)	±(1.0%+3)	±(1.0%+3)
	10A	±(3.0%+5)	±(3.0%+5)	±(3.0%+5)
AC Current	200μA/2mA/20mA/200mA	±(1.5%+4)	±(1.5%+4)	±(1.5%+4)
	10A			±(3.0%+5)
Resistance	200Ω/2KΩ/20KΩ/200KΩ/2MΩ	±(0.8%+4)	±(0.8%+4)	±(0.8%+2)
	200Ω/2KΩ/20KΩ/200KΩ/2MΩ/20MΩ			±(0.8%+2)
Temperature(°C)	-20°C-1000°C	±(2%+2)	±(2%+2)	±(2%+2)
Temperature(°F)	-4°F-1832°F	±(2%+4)	±(2%+4)	±(2%+4)
Features				
Display	Counts	2000	2000	2000
Auto Ranging		✓	✓	✓
NCV	Non-Contact Voltage Detection	✓	✓	✓
Diode	2.7V	✓	✓	✓
Continuity Buzzer	<50Ω	✓	✓	✓
Data Hold		✓	✓	✓
Display Backlight		✓	✓	✓
General				
Power Supply	1×9V 6F22 Battery	✓	✓	✓
Product Size	150mm×70mm×50mm/5.9"×2.8"×2.0"	✓	✓	✓
Product Weight	240g/0.5lb	✓	✓	✓
Category	CAT.II 600V	CE	CE	CE

DIGITAL MULTIMETERS

MS8221 / MS8221D / MS8230B

DIGITAL MULTIMETER

MS8221



MS8221D



MS8230B



Specifications	Range	Accuracy		
		MS8221	MS8221D	MS8230B
DC Voltage	200mV/2V/20V/200V/600V	±(0.7%+2)		
	200mV/2V/20V/200V/1000V		±(0.5%+1)	±(0.8%+3)
AC Voltage	200mV/2V/20V/200V/600V	±(0.8%+3)		
	200mV/2V/20V/200V/750V		±(0.8%+3)	
	200V/750V			±(1.2%+10)
DC Current	200µA/2000µA/20mA/200mA	±(1.2%+3)	±(0.8%+1)	±(1.0%+2)
	10A	±(2.0%+10)	±(2.0%+5)	±(3.0%+2)
DC Current With Clamp(Optional)	200A/2000A	±(3.0%+3)		
AC Current	200µA/2000µA/20mA/200mA	±(1.5%+5)		
	2mA/20mA/200mA		±(1.2%+3)	
AC Current With Clamp(Optional)	10A	±(3.0%+10)	±(3.0%+5)	
	200A/2000A	±(3.5%+5)		
Resistance	200Ω/2KΩ/20KΩ/200KΩ/2MΩ/20MΩ	±(1.0%+3)	±(0.8%+3)	
	200Ω/2KΩ/20KΩ/200KΩ/2MΩ			±(1.0%+3)
Temperature(°C)	-20°C-1000°C	±(2%+2)		
Temperature(°F)	-4°F-1832°F	±(2%+4)		
Features				
Display		2000 counts	2000 counts	2000 counts
Auto Ranging		✓		
Manual Ranging			✓	✓
Battery Test	3 Types: 1.5V, 3V, 9V	✓	✓	✓
Transistor hFE	0-1000	✓	✓	✓
Diode	2.7V	✓	✓	✓
Continuity Buzzer	<50Ω	✓	✓	✓
MAX		✓	✓	✓
Data Hold		✓	✓	✓
Display Backlight		✓		
General				
Power Supply	3 × 1.5V AAA Batteries	✓	✓	✓
Product Size	158mm×74mm×31mm 6.2"×2.9"×1.2"	✓	✓	✓
Product Weight	220g/0.5lb	✓	✓	✓

DIGITAL MULTIMETERS

MAS830/MAS830B/MAS830L/MAS838

DIGITAL MULTIMETER

MAS830



MAS830B



MAS830L



MAS838



Specifications	Range	Accuracy			
		MAS830	MAS830B	MAS830L	MAS838
DC Voltage	200mV/2V/20V/200V	±(0.5%+3)	±(0.5%+3)	±(0.5%+3)	±(0.5%+3)
	600V	±(0.8%+5)	±(0.8%+5)	±(0.8%+5)	±(0.8%+5)
AC Voltage	200V/600V	±(1.2%+10)	±(1.2%+10)	±(1.2%+10)	±(1.2%+10)
DC Current	20µA/200µA/2mA/20mA/200mA	±(1.0%+3)	±(1.0%+3)	±(1.0%+3)	
	200µA/2mA/20mA/200mA				±(1.0%+3)
Resistance	10A	±(3.0%+10)	±(3.0%+10)	±(3.0%+10)	±(3.0%+10)
	200Ω/2KΩ/20KΩ/200KΩ	±(0.8%+2)	±(0.8%+2)	±(0.8%+2)	±(0.8%+2)
Temperature(°C)	-20°C-1000°C	±(1.0%+5)	±(1.0%+5)	±(1.0%+5)	±(1.0%+5)
Features					
Display		2000 counts	2000 counts	2000 counts	2000 counts
Diode	2.7V	✓	✓	✓	✓
Continuity Buzzer	<50Ω	✓	✓	✓	✓
Data Hold		✓	✓	✓	✓
Display Backlight		✓			
General					
Power Supply	1 × 3V 6F22/NEDA 1604 Battery	✓	✓	✓	✓
Product Size	138mm×69mm×31mm 5.4"×2.7"×1.2"	✓	✓	✓	✓
Product Weight	160g/0.4lb	✓	✓	✓	✓
Category	CAT.II 600V	CE	CE ETL	CE ETL	CE



EMC
LVD

DIGITAL MULTIMETERS

MS8232A/MS8232B

ADVANCED 2000/4000 COUNTS AUTORANGING DIGITAL MULTIMETER

MS8232A



MS8232B



Specifications	Range	Accuracy	
		MS8232A	MS8232B
DC Voltage	200mV/2V/20V/200V	±(0.5% +3)	
	600V	±(0.8% +5)	
	400mV/4V/40V/400V		±(0.5% +3) ±(0.8% +5)
AC Voltage	2V/20V/200V	±(0.8% +3)	
	800V	±(1.0% +5)	
	4V/40V 400V/600V		±(1.0% +8) ±(2.3% +10)
DC Current	200µA/2000µA/20mA/200mA	±(1.8% +5)	
	400µA/4000µA/40mA/400mA		±(1.8% +5)
	200µA/2mA/20mA/200mA 400µA/4000µA/40mA/400mA	±(2.0% +8)	±(2.0% +8)
Resistance	200Ω/2KΩ/20KΩ/200KΩ/2MΩ	±(1.0% +3)	
	20MΩ	±(1.2% +15)	
	400Ω/4kΩ/40KΩ/400KΩ/4MΩ 40MΩ		±(1.0% +3) ±(1.2% +15)
Capacitance	4nF/40nF/400nF/4µF/40µF/100µF		±(5.0% +25)
Frequency	0 – 5MHz		±(1.5% +15)
Duty Cycle	0.5% – 99.9%		±(2.3% +5)
Features			
Display		2000 Counts	4000 Counts
Auto Ranging	Auto	✓	✓
Auto Power Off		✓	✓
NCV	Non-Contact Voltage Detection	✓	✓
Diode	2.7V	✓	✓
Continuity Buzzer	<50Ω	✓	✓
Data Hold		✓	✓
Work Light		✓	✓
General			
Power Supply	2 × 1.5V AAA Batteries	✓	✓
Product Size	150mm × 70mm × 50mm/5.9" × 2.8" × 2.0"	✓	✓
Product Weight	238g/0.5lb	✓	✓
Category	CAT.III 600V	CE ETL	CE ETL

DIGITAL MULTIMETERS

M300/M320

ADVANCED POCKET DIGITAL MULTIMETER

M300



Specifications	Range	Accuracy	
		M300	M320
DC Voltage	2V	±(0.5% +3)	
	20V/200V/500V	±(0.8% +3)	
	400mV/4V 40V/400V/600V		±(0.5% +3) ±(0.8% +3)
AC Voltage	200V/500V	±(1.2% +10)	
	4V/40V/400V/600V		±(0.8% +4)
DC Current	200mA	±(2.0% +2)	
	40mA/400mA		±(2.0% +3)
AC Current	40mA/400mA		±(3.0% +4)
	2KΩ/20KΩ/200KΩ/2MΩ	±(1.0% +2)	
Resistance	400Ω/4kΩ/40KΩ/400KΩ/4MΩ		±(1.0% +3) ±(2.0% +4)
	40MΩ		±(2.0% +4)
	Capacitance	4nF/40nF/400nF/4µF/40µF/100µF	
Frequency	0 – 100kHz		±(0.5% +3)
Features			
Display	Counts	2000	4000
Auto Ranging	Auto	✓	✓
Auto Power Off		✓	✓
Diode	2.7V	✓	✓
Continuity Buzzer	<50Ω	✓	✓
Data Hold		✓	✓
General			
Power Supply	3V Battery, SR44 or LR44 X 2	✓	✓
Product Size	120mm × 70mm × 18mm/4.7" × 2.7" × 0.7"	✓	✓
Product Weight	110g/0.2lb	✓	✓
Category	CAT.II 600V	CE ETL	CE ETL



M320



DIGITAL MULTIMETERS

MS8211/MS8211D

PEN-TYPE AUTORANGING DIGITAL MULTIMETER WITH NCV DETECTOR



Specifications	Range	Accuracy	
		MS8211	MS8211D
DC Voltage	200mV/2V/20V/200V/600V	±(0.7% +2)	±(0.7% +2)
AC Voltage	200mV/2V/20V/200V/600V	±(0.8% +3)	±(0.8% +3)
DC Current	20mA/200mA	±(1.0% +3)	±(1.0% +3)
AC Current	20mA/200mA	±(1.5% +3)	±(1.5% +3)
Resistance	200Ω 2KΩ/20KΩ/200KΩ/2MΩ 20MΩ	±(1.0% +3) ±(1.0% +1) ±(1.0% +5)	±(1.0% +3) ±(1.0% +1) ±(1.0% +5)
Features			
Display	Counts	2000	2000
Auto Ranging		✓	✓
Manual Ranging		✓	✓
NCV	Non-Contact AC Voltage Detection >50V AC	✓	✓
Logic Level Test	>3.5V: High Level. <3.5V: Low Level	✓	✓
APO	Auto Power Off	✓	✓
Diode	2.7V	✓	✓
Continuity Buzzer	<50Ω	✓	✓
MAX	Maximum Value Hold	✓	✓
Data Hold		✓	✓
Retractable Tip	Retractable Tip for Safe Storage	✓	✓
General			
Power Supply	2x1.5 AAA Batteries	✓	✓
Product Size	208mm x 38mm x 29mm (8.2" x 1.5" x 1.1")	✓	✓
Product Weight	110g/0.2lb	✓	✓
Category	CAT.III 600V	CE ETL	CE ETL



MS8211

MS8211D

DIGITAL CLAMP METERS

MS2203

THREE PHASE DIGITAL POWER CLAMP METER



Specifications	Range	Accuracy	
		MS2203	MS2203
AC Voltage(V)	0.1V – 600V	±(1.2% +5)	±(1.2% +5)
AC Current(A)	0.1A – 1000A	±(2% +5)	±(2% +5)
Active Power(kW)	0.01kW – 600kW	±(3% +5)	±(3% +5)
Apparent Power(kVA)	0.01kVA – 600kVA	±(3% +5)	±(3% +5)
Reactive Power(kVAr)	0.01kVAr – 600kVAr	±(4% +5)	±(4% +5)
Power Factor(PF)	0.3 – 1	±(2% +2)	±(2% +2)
Active Energy(kWh)	0.001kWh – 1000kWh	±(3% +2)	±(3% +2)
Frequency(Hz)	20Hz – 1000Hz	±0.5%	±0.5%
Features			
Display	9999 counts		
Jaw Opening	Φ50mm/2.0"		
Auto Ranging	✓		
Data Logging	28 groups		
True RMS	True Root Mean Square Measurement		
MAX/MIN	✓		
Data Hold	✓		
Display Backlight	✓		
USB interface	Windows OS		
General			
Power Supply	4x1.5V AA		
Product Size	300mmx103mmx51mm 11.8" x 4.1" x 2.0"		
Product Weight	500g		
	5.5lb		
Category	CE CAT.III 600V		

MS2203



HARMONIC POWER CLAMP METER



Specifications	Range	Accuracy
AC Voltage(V)	0.1V – 600V	±(1.0%+5)
AC Current(A)	0.01A – 1000A	±(2.0%+5)
Active Power(KW)	0.01kW – 600KW	±(3.0%+5)
Apparent Power(kVA)	0.001kVA – 600kVA	±(3.0%+5)
Reactive Power(kVAr)	0.001kVAr – 600kVAr	±(3.0%+5)
Power Factor	0.3 – 1	±(2.0%+2)
Harmonic Measurement	Harmonic Number:1	±(3.0%+10)
45Hz – 65Hz (fundamental frequency)	Harmonic Number: 2-6	±(3.5%+10)
	Harmonic Number: 7-8	±(4.5%+10)
	Harmonic Number: 9-10	±(5.0%+10)
	Harmonic Number: 11-15	±(7.0%+10)
	Harmonic Number: 16-20	±(10%+10)
Features		
Display	6000 counts	
Jaw Opening	Φ50mm/2.0"	
Auto Ranging	✓	
Data Logging	100 groups	
True RMS	True Root Mean Square Measurement	
Data Hold	✓	
Display Backlight	✓	
RS232 Interface	Windows OS	
General		
Power Supply	4x1.5V AA Batteries	
Product Size	300mmx103mmx51mm 11.8" x 4.1" x 2.0"	
Product Weight	500g 1.1lb	
Category	CE CAT.III 630V	

HARMONIC POWER CLAMP METER



Specifications	Range	Accuracy
AC Voltage(TRMS)	10V – 600V	±(1%+5)
AC Current(TRMS)	2mA – 3999mA	±(2%+5)
	4A – 200A	±(2%+5)
Single Phase Active Power(kW)	0.1W – 120KW	±(3%+5)
Single Phase Apparent Power(kVA)	0.01kVA – 120kVA	±(3%+5)
Single Phase Reactive Power(kVAr)	0.01kVAr – 120kVAr	±(3%+5)
Power Factor	0.3 – 1 capacitive	±(2%+2)
	0.3 – 1 inductive	±(2%+2)
Frequency(Hz)	30Hz – 1kHz	±(0.5%+1)
Harmonic Measurement	Harmonic Number: 1	±(3.0%+10)
	Harmonic Number: 2 – 6	±(3.5%+10)
	Harmonic Number: 7 – 8	±(4.5%+10)
	Harmonic Number: 9 – 10	±(5.0%+10)
	Harmonic Number: 11 – 15	±(7.0%+10)
	Harmonic Number: 16 – 20	±(10%+10)
Features		
Display	6000 counts	
Jaw Opening	Φ26mm/1.0"	
Auto Ranging	✓	
MAX/MIN	MAX/MIN Measurement Mode	
Work Light	Pointing To The Target Area	
Display Backlight	✓	
General		
Power Supply	3x1.5V AAA Batteries	
Product Size	203mmx78mmx35mm 8.2" x 3.1" x 1.4"	
Product Weight	350g 0.8lb	
Category	CE ETL CAT.III 600V	

DIGITAL CLAMP METERS

MS2006B/MS2007B

HIGH SENSITIVITY AC LEAKAGE CLAMP METER

MS2006B



MS2007B



Specifications	Range	Accuracy	
		MS2006B	MS2007B
AC Current (50Hz~60Hz)	2mA/20mA/60A 200mA/2A/150A	±(2.0%+5)	±(2.0%+5)
Features			
Display		2000 Counts	2000 counts
Jaw Opening		Φ31mm/1.2"	Φ31mm/1.2"
Data Hold		✓	✓
Low Battery Display		✓	✓
General			
Power Supply	2x1.5V AAA Batteries	✓	✓
Product Size	176mmx59mmx29mm	✓	✓
Product Weight	6.9" × 2.3" × 1.1"	✓	✓
Category	CAT.III 600V	CE	CE

DIGITAL CLAMP METERS

MS2010B

HIGH SENSITIVITY LEAKAGE CLAMP METER

MS2010B



Specifications	Range	Accuracy	
		MS2010B	MS2010B
DC Voltage	400mV/4V/40V/400V	±(0.7%+3)	±(1.0%+5)
AC Voltage	600V	±(0.8%+5)	±(1.2%+5)
AC Current	40mA/400mA/4A/40A/400A	±(2.0%+8)	±(2.0%+8)
Resistance	400Ω/4kΩ/40kΩ/400kΩ/4MΩ	±(1.0%+2)	±(2.0%+5)
Capacitance	40nF/400nF/4μF/40μF/100μF	±(4.0%+25)	±(1.5%+5)
Frequency (From Clamp)	0~2KHz	±(1.5%+5)	±(1.5%+5)
Frequency (From Plug)	0~100KHz	±3.0%	±3.0%
Duty Cycle	10%~90%	±2.0%	±2.0%
Thermocouple(°C/°F)	-20°C~1000°C -4°F~1832°F	±2.0%	±2.0%
Features			
Display	4000 counts	✓	✓
Jaw Opening	Φ31mm/1.2"	✓	✓
Auto Ranging	✓	✓	✓
Manual Ranging	✓	✓	✓
Auto Power Off	✓	✓	✓
LPF	Low Pass Filter Function	✓	✓
Relative Measurement	✓	✓	✓
Diode	2.7V	✓	✓
Continuity Buzzer	<50Ω	✓	✓
Data Hold	✓	✓	✓
Display Backlight	✓	✓	✓
Low Battery Display	✓	✓	✓
General			
Power Supply	3x1.5V AAA Batteries	✓	✓
Product Size	260mmx52mmx55mm 10.2" × 3.6" × 2.2"	✓	✓
Product Weight	400g 0.9lb	✓	✓
Category	CE ETL CAT.III 600V	✓	✓

DIGITAL CLAMP METERS

MS2026/MS2026R

AC CLAMP METER

MS2026



MS2026R



Specifications	Range	Accuracy	
		MS2026	MS2026R
DC Voltage	600mV/6V/60V	±(0.7% + 3)	±(0.7% + 3)
AC Voltage	600V	±(0.8% + 2)	±(0.8% + 2)
AC Voltage	6V/60V	±(0.8% + 3)	±(0.8% + 3)
AC Current	600V	±(1% + 4)	±(1% + 4)
AC Current	6A/60A/600A/1000A	±(2.0% + 6)	±(2.0% + 6)
Resistance	600Ω/6kΩ/60kΩ/600kΩ/6MΩ	±(0.8% + 3)	±(0.8% + 3)
Resistance	60MΩ	±(1.2% + 3)	±(1.2% + 3)
Capacitance	40nF/400nF/4μF/40μF/400μF/4000μF	±(4.0% + 5)	±(4.0% + 5)
Frequency (From Clamp)	0 – 1KHz	±(1.5% + 5)	±(1.5% + 5)
Frequency (From Plug)	0 – 10MHz	±(0.5% + 3)	±(0.5% + 3)
Duty Cycle	10% – 90%	±3.0%	±3.0%
Features			
Display	Counts	6000	6000
Jaw Opening		Φ40mm/1.6"	Φ40mm/1.6"
Auto Ranging		✓	✓
Manual Ranging		✓	✓
Auto Power Off		✓	✓
Diode	2.7V	✓	✓
Continuity Buzzer	<50Ω	✓	✓
MAX/MIN		✓	✓
Data Hold		✓	✓
Low Battery Display		✓	✓
Display Backlight		✓	✓
Work Light		✓	✓
True RMS	True Root Mean Square Measurement	✓	✓
General			
Power Supply	3x1.5V AAA Batteries	✓	✓
Product Size	225mmx36mmx33mm/ 8.9" x 3.4" x 1.3"	✓	✓
Product Weight	320g/0.7lb	✓	✓
Category	CAT.III 600V	CE	CE

DIGITAL CLAMP METERS

MS2138/MS2138R

AC/DC CLAMP METER

MS2138



MS2138R



Specifications	Range	Accuracy	
		MS2138	MS2138R
DC Voltage	400mV/4V/40V/400V	±(0.7% + 3)	±(0.7% + 3)
AC Voltage	600V	±(0.8% + 2)	±(0.8% + 2)
AC Voltage	4V/40V/400V	±(0.8% + 3)	±(0.8% + 3)
AC Current	600V	±(1% + 4)	±(1% + 4)
AC Current	40A/400A/1000A	±(2.5% + 6)	±(2.5% + 6)
DC Current	40A/400A/1000A	±(3.0% + 6)	±(3.0% + 6)
Resistance	400Ω/4kΩ/40kΩ/400kΩ/4MΩ	±(0.8% + 3)	±(0.8% + 3)
Resistance	40MΩ	±(1.2% + 3)	±(1.2% + 3)
Capacitance	40nF/400nF/4μF/40μF/400μF/4000μF	±(4.0% + 5)	±(4.0% + 5)
Frequency (From Clamp)	0 – 1KHz	±(1.5% + 5)	±(1.5% + 5)
Frequency (From Plug)	0 – 10MHz	±(0.5% + 3)	±(0.5% + 3)
Duty Cycle	10% – 90%	±3.0%	±3.0%
Features			
Display	Counts	4000	4000
Jaw Opening		Φ40mm/1.6"	Φ40mm/1.6"
Auto Ranging		✓	✓
Manual Ranging		✓	✓
Auto Power Off		✓	✓
Diode	2.7V	✓	✓
Continuity Buzzer	<50Ω	✓	✓
REL	Relative measurement	✓	✓
Data Hold		✓	✓
Low Battery Display		✓	✓
Display Backlight		✓	✓
Work Light		✓	✓
True RMS	True root mean square measurement	✓	✓
General			
Power Supply	3x1.5V AAA Batteries	✓	✓
Product Size	225mmx84mmx33mm/ 8.9" x 3.3" x 1.3"	✓	✓
Product Weight	320g	✓	✓
	0.7lb	✓	✓
Category	CAT.III 600V	CE	CE

DIGITAL CLAMP METERS

MS2008A/MS2008B

AC MINI DIGITAL CLAMP METER

MS2008A



MS2008B



Specifications	Range	Accuracy	
		MS2008A	MS2008B
DC Voltage	200mV/2V/20V/200V	±(0.8% + 2)	
	600V	±(1.0% + 2)	
	400mV/4V/40V/400V		±(0.8% + 2) ±(1.0% + 2)
AC Voltage	2V/20V/200V	±(1.0% + 1.5)	
	600V	±(1.2% + 5)	
	400mV/4V/40V/400V		±(1.0% + 1.0) ±(1.2% + 1.0)
AC Current	2A/20A	±(3.0% + 1.0)	
	200A	±(2.5% + 1.0)	
	4A/40A/400A		±(2.5% + 1.0)
	600A	±(1.5% + 5)	±(1.5% + 5)
Resistance	200Ω/2kΩ/20kΩ/200kΩ/2MΩ	±(1.2% + 2)	
	20MΩ	±(2.0% + 5)	
	400Ω/4kΩ/40kΩ/400kΩ/4MΩ		±(1.2% + 2)
	40MΩ		±(2.0% + 5)
Capacitance	50nF/500nF/5μF/50μF/100μF		±(4.0% + 10)
Frequency	0 - 100kHz		±(1.5% + 15)
Duty Cycle	0.5% - 99.9%		±(2.0% + 5)
Temperature(°C)	-20°C - 750°C		±(2% + 2)
Features			
Display	Counts	2000	4000
Jaw Opening		Φ28mm/1.0"	Φ26mm/1.0"
Auto Ranging		✓	✓
Manual Ranging		✓	✓
Auto Power Off		✓	✓
Diode	2.7V	✓	✓
Continuity Buzzer	<50Ω	✓	✓
MAX		✓	✓
Data Hold		✓	✓
Work Light		✓	✓
Display Backlight		✓	✓
General			
Power Supply	3x1.5V AAA Batteries	✓	✓
Product Size	206mmx78mmx35mm/ 8.2"×3.1"×1.4"	✓	✓
Product Weight	340g	✓	✓
	0.7lb	✓	✓
Category	CAT III 600V	CE ETL	CE ETL

DIGITAL CLAMP METERS

MS2107

AC/DC MINI-JAW CLAMP METER

MS2107



Specifications	Range	Accuracy	
		MS2107	MS2107
DC Voltage	400mV/4V/40V/400V/600V	±(0.8% + 3)	
AC Voltage	400mV/4V/40V/400V/600V	±(1.0% + 3)	
DC Current	4A/40A	±(2.5% + 3)	
AC Current	4A/40A	±(2.5% + 3)	
Resistance	400Ω/4kΩ/40kΩ/400kΩ/4MΩ	±(0.8% + 3)	
	40MΩ	±(1.2% + 3)	
Features			
Display	4000 counts		
Jaw Opening	Φ12.5mm/0.5"		
Auto Ranging	✓		
Manual Ranging	✓		
Auto Power Off	✓		
NCV	Non-Contact Voltage Detection		
Diode	2.7V		
Continuity Buzzer	<50Ω		
Zero	Zero Adjustment for DC Current Measurement		
Data Hold	✓		
Display Backlight	✓		
Low Battery Display	✓		
Work Light	✓		
General			
Power Supply	3x1.5V AAA Batteries		
Product Size	213mmx78mmx35mm/8.4"×3.1"×1.4"		
Product Weight	310g/0.8lb		
Category	CE CAT III 600V		

DIGITAL CLAMP METERS

MS2108/MS2108A

AC/DC MINI DIGITAL CLAMP METER



MS2108



MS2108A



Specifications	Range	Accuracy	
		MS2108	MS2108A
DC Voltage	660mV/6.6V	±(0.8%+3)	
	66V/660V	±(1.0%+5)	
	400mV/4V		±(0.8%+3)
	40V/400V/1000V		±(1.0%+5)
AC Voltage	660mV	±(1.5%+10)	
	6.6V/66V	±(1.2%+5)	
	600V	±(1.5%+10)	
	4V/40V/400V		±(0.8%+3)
DC Current	66A/600A	±(3.0%+10)	
	40A/400A		±(2.0%+6)
AC Current	66A/600A	±(3.0%+10)	
	40A/400A		±(2.0%+6)
Inrush Current (100ms)	66A/600A	±(10%+60)	
Resistance	660Ω/6.6kΩ/66kΩ/660kΩ/6.6MΩ	±(1.2%+2)	
	66MΩ	±(2.0%+5)	
	400Ω/4kΩ/40kΩ/400kΩ		±(0.8%+3)
	4MΩ/40MΩ		±(1.2%+3)
Capacitance	6.6μF/66μF/660μF/6.6mF/66mF	±(4.0%+3)	
	400nF/4μF/40μF/400μF/400μF		±(4.0%+5)
Frequency (From Clamp)	0~1KHz	±(1.5%+5)	
	0~10KHz		±(1.5%+5)
Frequency (From Plug)	0~10KHz	±(1.5%+5)	
	0~10MHz		±(1.5%+5)
Duty Cycle	10%~90%	±3.0%	±3.0%
Features			
Display	Counts	6600	4000
Jaw Opening		Φ26mm/1.0"	Φ26mm/1.0"
Auto Ranging		✓	✓
Manual Ranging		✓	✓
Auto Power Off		✓	✓
Inrush	Integration Time: 100ms	✓	✓
True RMS	True Root Mean Square Measurement	✓	✓
REL	Relative Measurement		✓
Diode	2.7V	✓	✓
Continuity Buzzer	<50Ω	✓	✓
MAX/MIN		✓	✓
Data Hold		✓	✓
Low Battery Display		✓	✓
Display Backlight		✓	✓
Work Light		✓	✓
General			
Power Supply	3×1.5V AA Batteries	✓	✓
Product Size	208mm×78mm×35mm/	✓	✓
	8.2"×3.1"×1.4"	✓	✓
Product Weight	340g/0.7lb	✓	✓
		CE ETL	CE ETL
Category	CAT.III 600V		

DIGITAL CLAMP METERS

MS2015A/MS2015B

AC CLAMP METER



MS2015A



MS2015B



Specifications	Range	Accuracy	
		MS2015A	MS2015B
DC Voltage	60mV/600mV/6V/60V/600V	±(0.7%+3)	
	600mV/6.6V/66V/660V		±(0.5%+3)
	1000V		±(0.8%+2)
AC Voltage	60mV/600mV/6V/60V/600V	±(0.8%+3)	
	600mV/6.6V/66V/660V		±(0.8%+3)
	750V	±(1%+4)	±(1%+4)
AC Current	80A/800A/1000A	±(2.0%+6)	
	66A/660A/1000A		±(2.0%+3)
Resistance	600Ω/6kΩ/60kΩ/600kΩ/6MΩ	±(0.8%+3)	
	60MΩ	±(1.2%+3)	
	660Ω/6.6kΩ/66kΩ/660kΩ/6.6MΩ		±(1.0%+3)
Capacitance	66MΩ		±(1.5%+3)
	10nF/100nF/1000nF/10μF/100μF/1000μF/10mF/100mF	±(4.0%+5)	
Frequency (From Clamp)	0~10KHz	±(1.5%+5)	±(1.5%+5)
	0~10KHz	±(1.5%+5)	±(1.5%+5)
Logic Frequency	0~10MHz	±(0.5%+3)	
	0~66MHz		±(0.5%+3)
Duty Cycle	10%~90%	±3.0%	±3.0%
Temperature(°C)	-20°C~1000°C	±(2%+4)	
Temperature(°F)	-4°F~1832°F	±(2%+4)	
Features			
Display	Counts	6000	6600
Jaw Opening		Φ40mm/1.6"	Φ40mm/1.6"
Auto Ranging		✓	✓
Manual Ranging		✓	✓
Auto Power Off		✓	✓
REL	Relative Measurement	✓	✓
Diode	2.7V	✓	✓
Continuity Buzzer	<50Ω	✓	✓
MAX/MIN		✓	✓
Data Hold		✓	✓
Display Backlight		✓	✓
Low Battery Display		✓	✓
Work Light		✓	✓
True RMS	True Root Mean Square Measurement	✓	✓
NCV	Non-Contact Voltage Detector	✓	✓
General			
Power Supply	1×9V 6F22 Battery	✓	✓
Product Size	mm	238×92×50	238×92×50
	Inch	9.4"×3.6"×2.0"	9.4"×3.6"×2.0"
Product Weight	340g	✓	340g
		0.7lb	0.7lb
Category	CAT.III 1000V CAT.IV 600V	CE	CE

DIGITAL CLAMP METERS

MS2115A/MS2115B

AC/DC CLAMP METER



MS2115A



MS2115B



Specifications	Range	Accuracy	
		MS2115A	MS2115B
DC Voltage	60mV/600mV/6V/50V/500V	±(0.7%+3)	
	600mV/6V/60V/600V		±(0.5%+3)
	1000V	±(0.8%+2)	±(0.8%+2)
AC Voltage	60mV/600mV/6V/50V/500V	±(0.8%+3)	
	600mV/6V/60V/600V		±(0.8%+2)
	750V	±(1%+4)	±(1%+4)
DC Current	60A/600A/1000A	±(2.5%+6)	±(3.0%+3)
AC Current	60A/600A/1000A	±(2.5%+6)	±(2.5%+3)
Resistance	600Ω/6KΩ/60KΩ/600KΩ/6MΩ	±(0.8%+3)	±(1.0%+3)
	60MΩ	±(1.2%+3)	±(1.5%+3)
Capacitance	10nF/100nF/1000nF/10μF/100μF/1000μF/10mF/100mF		±(4.0%+5)
	6nF/60nF/600nF/6μF/60μF/600μF/6mF/60mF		±(4.0%+3)
	Frequency (From Clamp)	0~10kHz	±(1.5%+5)
Frequency (AC Voltage)	0~10kHz	±(1.5%+5)	±(1.5%+5)
Logic Frequency	0~10MHz	±(0.5%+3)	
Duty Cycle	10%~90%	±3.0%	±3.0%

Features		6000	6000
Display	Counts	6000	6000
Jaw Opening		Φ40mm/1.6"	Φ40mm/1.6"
Auto Ranging		✓	✓
Manual Ranging		✓	✓
Auto Power Off		✓	✓
REL	Relative Measurement	✓	✓
Diode	2.7V	✓	✓
Continuity Buzzer	<50Ω	✓	✓
MAX/MIN		✓	✓
Data Hold		✓	✓
Display Backlight		✓	✓
Low Battery Display		✓	✓
Work Light		✓	✓
True RMS	True Root Mean Square Measurement	✓	✓
NCV	Non-Contact Voltage Detector	✓	✓
Inrush	Inrush Current Measurement	✓	✓
USB interface	Windows OS	✓	✓
General			
Power Supply	1×9V 6F22 Battery	✓	✓
Product Size	mm	238×92×50	238×92×50
	Inch	9.4"×3.6"×2.0"	9.4"×3.6"×2.0"
Product Weight		400g	400g
		0.9lb	0.9lb
Category	CAT III 1000V CAT IV 600V	CE	CE

DIGITAL CLAMP METERS

MS2001/MS2001C/MS2101

DIGITAL CLAMP METER

EMC LVD



EMC LVD

MS2001



MS2001C



MS2101



Specifications	Range	Accuracy		
		MS2001	MS2001C	MS2101
DC Voltage	400mV/4V/40V/400V			±(0.8%+1)
	1000V	±(1.0%+2)	±(1.0%+2)	±(1.0%+2)
AC Voltage	4V/40V/400V/700V			±(1.0%+5)
	750V	±(1.0%+5)	±(1.0%+5)	±(1.0%+5)
DC Current	400A/1000A			±(3.0%+3)
	20A/200A	±(2.0%+5)	±(2.0%+5)	
AC Current	1000A			±(2.0%+7)
	400A/1000A	±(2.0%+7)	±(2.0%+7)	
Resistance	200Ω/2000Ω	±(1.0%+3)	±(1.0%+3)	±(3.0%+3)
	400Ω/4KΩ/40KΩ/400KΩ/4MΩ			±(1.2%+1)
Capacitance	40MΩ			±(2.0%+3)
	4nF/40nF/400nF/4μF/40μF			±(1.0%+10)
Frequency	40Hz/400Hz/4kHz/40kHz/100kHz			±(2.0%+1)
Duty Cycle	1%~99%			±(2.0%+1)
Temperature(°C)	-40°C~750°C		±(1%+5)	±(1%+5)

Features		2000	2000	4000
Display	Counts	2000	2000	4000
Jaw Opening		Φ42mm/1.7"	Φ42mm/1.7"	Φ42mm/1.7"
Auto Ranging	Auto	✓	✓	✓
REL	Relative Measurement	✓	✓	✓
Diode	2.7V	✓	✓	✓
Continuity Buzzer	<50Ω	✓	✓	✓
Data Hold		✓	✓	✓
Display Backlight		✓	✓	✓
General				
Power Supply		1×9V 6F22	1×9V 6F22	1×9V 6F22
Product Size	mm	250×99×43	250×99×43	250×99×43
	Inch	9.8"×3.9"×1.7"	9.8"×3.9"×1.7"	9.8"×3.9"×1.7"
Product Weight		480g/1.1lb	480g/1.1lb	480g/1.1lb
Category	CAT II 1000V	CE	CE	CE

DIGITAL CLAMP METERS

M266/M266C/M266F

AC DIGITAL CLAMP METER



Specifications	Range	Accuracy		
		M266	M266C	M266F
DC Voltage	200mV		±(0.5% +1)	
	2V/20V/200V		±(0.5% +3)	±(0.5% +3)
	1000V	±(0.8% +3)	±(0.8% +3)	±(0.8% +3)
AC Voltage	200V		±(1.0% +5)	±(1.0% +5)
	750V	±(1.2% +5)	±(1.2% +5)	±(1.2% +5)
	1000V	±(1.2% +5)	±(1.2% +5)	±(1.2% +5)
AC Current	20A		±(2.5% +5)	±(2.5% +5)
	200A	±(3.0% +10)	±(3.0% +10)	±(3.0% +10)
	1000A	±(3.0% +10)	±(3.0% +10)	±(3.0% +10)
Resistance	200Ω/20kΩ		±(1.0% +8)	
	200Ω/2kΩ/20kΩ/200kΩ/2MΩ		±(1.0% +8)	±(1.0% +8)
	200Ω/20kΩ/2MΩ		±(1.0% +8)	±(1.0% +8)
Frequency	2kHz			±(2.0% +5)
Temperature(°C)	0°C ~ 750°C			±(2.0% +2)
Temperature(°F)	32°F ~ 1400°F			±(2.0% +4)
Features				
Display	Counts	2000	2000	2000
Jaw Opening		Φ50mm/2.0"	Φ50mm/2.0"	Φ50mm/2.0"
Insulation Test	With optional 500V insulation on tester unit	✓	✓	✓
Diode	2.7V	✓	✓	✓
Continuity Buzzer	<50Ω	✓	✓	✓
Data Hold		✓	✓	✓
General				
Power Supply	1 × 9V 6F22 Battery	✓	✓	✓
Product Size	mm	235×96×46	235×96×46	235×96×46
	Inch	9.3"×3.8"×1.8"	9.3"×3.8"×1.8"	9.3"×3.8"×1.8"
Product Weight		330g/0.7lb	330g/0.7lb	330g/0.7lb
Category	CAT.II 1000V	CE ETL		CE ETL

M266



M266C



M266F



DIGITAL CLAMP METERS

MS2600

DIGITAL OPEN JAW CLAMP METER



Specifications	Range	Accuracy
DC Voltage	4V/40V/400V	±(0.7% +1)
	1000V	±(0.8% +3)
AC Voltage	4V/40V/400V	±(0.8% +5)
	700V	±(1.0% +10)
AC Current	200A	±(3.0% +3)
	400A	±(2.0% +3)
Resistance	400Ω/4kΩ/40kΩ/400kΩ/4MΩ	±(1.2% +1)
	40MΩ	±(2.0% +3)
Capacitance	40nF/400nF/4μF/40μF	±(4.0% +10)
Frequency	0~100KHz	±(2.0% +1)
Duty Cycle	10%~80%	±3.0%
Features		
Display	4000 counts	
Jaw Opening	Φ12mm/0.5"	
Auto Ranging	✓	
Manual Ranging	✓	
Auto Power Off	✓	
REL	Relative Measurement	
Diode	2.7V	
Continuity Buzzer	<50Ω	
Data Hold	✓	
Display Backlight	✓	
Low Battery Display	✓	
General		
Power Supply	1 × 9V 6F22 Battery	
Product Size	192mm×68mm×43mm/7.6"×2.7"×1.7"	
Product Weight	230g/0.5lb	
Category	CE ETL CAT.III 600V	

MS2600



DIGITAL CLAMP METERS

MS3300/MS3302

AC/DC CLAMP TRANSDUCER

MS3300



Specifications	Range	Accuracy	
		MS3300	MS3302
DC Current	2000A	± (3.0% + 5)	
AC Current	2000A (TRMS)	± (3.0% + 5)	
	600A	± (2.0% + 5)	
Features			
Jaw Opening		Φ55mm	Φ28mm
Output		1mV DC/1A DC 1mV DC/1A AC	40A: 1mV/1A DC 400A: 1mV/1A AC
General			
Power Supply		1×9V 6F22	N/A
Product Size	mm	256×104×47	143×64×30
	Inch	10.1"×4.1"×1.9"	5.6"×2.5"×1.2"
Product Weight		520g/1.1lb	185g/0.4lb
Category	CAT.II 600V	CE	CE

MS3302



INFRARED THERMOMETERS

MS6540A/MS6540B

NON-CONTACT INFRARED THERMOMETERS



Specifications	MS6540A	MS6540B
	Temperature Range	-32°C~850°C -25°F~1552°F
Temperature Accuracy	>510°C	±1.5%
	50°C~510°C	±(1.5%+1°C)
	15°C~50°C	±(1.5%+2°C)
	-32°C~15°C	±3°C
Temperature Resolution	±0.1°C/±0.1°F	±0.1°C/±0.1°F
Repeatability	±0.5°C or ±0.5%	±0.5°C or ±0.5%
Distance to Spot (D:S)	30:1	30:1
°C/°F Selection	✓	✓
Emissivity	Digitally Adjustable from 0.10 to 1.00 by 0.01	
Response Time	500ms	500ms
Laser Target Pointer	✓	✓
Data Logging	100 groups	100 groups
Reading Hold	✓	✓
MAX, MIN, DIF, AVG	✓	✓
Temperature Alarm Setting	✓	✓
Display Backlight	✓	✓
Low Battery Display	✓	✓
General Characteristic		
Power Supply	1×9V 6F22 Battery	1×9V 6F22 Battery
Product Size	140mm×56mm×190mm/ 5.5"×2.2"×7.5"	140mm×56mm×190mm/ 5.5"×2.2"×7.5"
Product Weight	500g/1.1lb	500g/1.1lb
Certificate	CE	CE



MS6540A



MS6540B

INFRARED THERMOMETERS

MS6550A/MS6550B

NON-CONTACT INFRARED THERMOMETERS



MS6550A



MS6550B

Specifications	MS6550A	MS6550B
Temperature Range	-32°C ~ -1220°C -25°F ~ -2192°F	-32°C ~ -1650°C -25°F ~ -3002°F
Temperature Accuracy	>510°C ±1.5% 50°C ~ 510°C ±(1.5%+1°C) 15°C ~ 50°C ±(1.5%+2°C) -32°C ~ -15°C ±3°C	>510°C ±1.5% 50°C ~ 510°C ±(1.5%+1°C) 15°C ~ 50°C ±(1.5%+2°C) -32°C ~ -15°C ±3°C
Temperature Resolution	±0.1°C/±0.1°F	±0.1°C/±0.1°F
Repeatability	±0.5°C or ±0.5%	±0.5°C or ±0.5%
Distance to Spot (D:S)	50:1	50:1
°C/°F Selection	✓	✓
Emissivity	Digitally Adjustable From 0.10 to 1.00 By 0.01	✓
Response Time	500ms	500ms
Laser Target Pointer	✓	✓
Data Logging	100 Groups	100 Groups
Reading Hold	✓	✓
MAX, MIN, DIF, AVG	✓	✓
Temperature Alarm Setting	✓	✓
Display Backlight	✓	✓
Low Battery Display	✓	✓
K-type Temperature Range	-40°C ~ -1370°C -40°F ~ -2498°F	-40°C ~ -1370°C -40°F ~ -2498°F
K-type Temperature Accuracy	±(1.5%+1°C)	±(1.5%+1°C)
USB Interface (Windows OS)	✓	✓
General Characteristic		
Power Supply	1×9V 6F22 Battery	1×9V 6F22 Battery
Product Size	140mm×56mm×190mm/ 5.5"×2.2"×7.5"	140mm×56mm×190mm/ 5.5"×2.2"×7.5"
Product Weight	500g/1.1lb	500g/1.1lb
Certificate	CE	CE

INFRARED THERMOMETERS

MS6520A/MS6520B/MS6520C

NON-CONTACT INFRARED THERMOMETERS



Specifications	MS6520A	MS6520B	MS6520C (Surface + Human Body)
Temperature Range	-20°C ~ 300°C ±(1.5+2°C) -4°F ~ 572°F ±(1.5%+4°F)	-20°C ~ 900°C ±(1.5%+2°C) -4°F ~ 932°F ±(1.5%+4°F)	Surface: 0°C ~ 100°C ±(1.5%+2°C) 32°F ~ 212°F ±(1.5%+4°F) Body: 30°C ~ 42°C ±(0.5°F) 86°F ~ 108°F ±(0.9°F)
Temperature Resolution	±0.1°C/±0.1°F	±0.1°C/±0.1°F	±0.1°C/±0.1°F
Repeatability	±1°C	±1°C	±1°C/Body: ±0.1°C
Distance to Spot (D:S)	10:1	10:1	10:1/Body: 5~15cm Distance
°C/°F Selection	✓	✓	✓
Emissivity	0.95	0.95	0.95
Response Time	1 second	1 second	1 second
Laser Target Pointer	✓	✓	✓
Reading Hold	✓	✓	✓
MAX, MIN, AVG	✓	✓	only MAX
Display Backlight	✓	✓	✓
Low Battery Display	✓	✓	✓
General			
Power Supply	1×9V 6F22 Battery	1×9V 6F22 Battery	1×9V 6F22 Battery
Product Size	142mm×92mm×47mm/ 5.6"×3.6"×1.9"	142mm×92mm×47mm/ 5.6"×3.6"×1.9"	142mm×92mm×47mm/ 5.6"×3.6"×1.9"
Product Weight	135g/0.3lb	135g/0.3lb	135g/0.3lb
Category	CE	CE	CE



MS6520A



MS6520B



MS6520C

INFRARED THERMOMETERS

MS6518

NON-CONTACT INFRARED THERMOMETERS (BODY: FOREHEAD)



MS6518

Specifications

Temperature Range	30°C ~ 42°C = (0.4°C)
	86°F ~ 108°F ± (0.7°F)
Temperature Resolution	±0.1°C/ ±0.1°F
Repeatability	±0.1°C
Measurement Distance	5~15cm
*C/°F Selection	✓
Emissivity	0.98
Response Time	1 second
Data Logging	10 groups
Reading Hold	✓
Temperature Alarm Setting	✓
Display Backlight	✓
Low Battery Display	✓
General	
Power Supply	1×9V 6F22 Battery
Product Size	144mm×87mm×42mm/ 2.7" ×3.4" ×1.7"
Product Weight	170g/0.4lb
Category	CE

CIRCUIT TESTERS

MS5910

RCD/LOOP TESTER

MS5910



Specifications	Range	Accuracy	Resolution
Tripping Time	×1 IΔN300(slow 500ms) ×5 IΔN40ms(slow 150ms)	±3ms	0.1ms
Tripping Current	(0.2-1.1)IΔN	±0.1 IΔN	0.05 IΔN
Contact Voltage	0 ~ 99.9V	±(10%rdg+0.2V)	0.01, 0.1V
Alternating Voltage (U-I, U-L, L-L, L-E)	0 ~ 440V	±(3%rdg+3V)	1V
Frequency	DC, 45~65Hz	±1Hz	1Hz
Loop Resistance (RL)	0.1 ~ 2000 Ω	±(10%rdg+0.2Ω)	0.1 Ω
RL Current Test	0.5 IΔN	±(10%rdg+100)	0.05 IΔN
Multiplying Power of Measuring Current	×0.5, ×1, ×5		
Current Level(IΔN)	10mA, 30mA, 100mA 300mA, 500mA		
Trigger Phase Angle	0° or 180°		
Features			
Data Logging	1000 groups		
Fast/Slow	Fast/Slow Testing of 10, 30, 100, 300, 500mA		
Backlight	Display Back Light		
USB Interface	Windows OS		
General			
Power Supply	6×1.5V AA Batteries		
Product Size	200mm ×150mm ×76mm/7.9" ×6.1" ×3.0"		
Product Weight	500g/1.1lb		
Category	CE CAT.III 300V		



EMC
LVD

CIRCUIT TESTERS

MS5908

CIRCUIT ANALYZER

MS5908



Specifications	Range	Resolution	Accuracy
Line Voltage Measurement	85.0~265.0V	0.1V	±(1.0%+0.2V)
Neutral - Ground Voltage Measurement	0.0~10.0V	0.1V	±(2.5%+0.2V)
Peak Line Voltage Measurement	121.0~374.0V	0.1V	±(1.0%+0.2V)
Line Frequency Measurement	45.0~65.0Hz	0.1Hz	±(1.0%+0.2Hz)
% Voltage Drop Measurement	0.1%~99.9%	0.1%	±(2.5%+0.2%)
Voltage Measurement with Loading Equipments	10.0~265.0V	0.1V	±(2.5%+0.2V)
Impedance - Live, Neutral & Earth	0.00~3.00Ω	0.01Ω	±(2.5%+0.02Ω)
	>3.00Ω		
RCD Trip Time	1ms~6.500s	1ms	±(1.0%+2ms)
RCD Trip Current	30mA	0.1mA	±(1.0%+0.2mA)
GFCI Trip Time	1ms~6.500s	1ms	±(1.0%+2ms)
GFCI Trip Current	6mA	0.1mA	±(1.0%+0.2mA)
General			
Power Supply	6x1.5V AAA Batteries		
Product Size	193mmx78mmx38mm/7.6" x 3.1" x 1.5"		
Product Weight	295g/0.7lb		
Category	CE CAT.II 600V		

CIRCUIT TESTERS

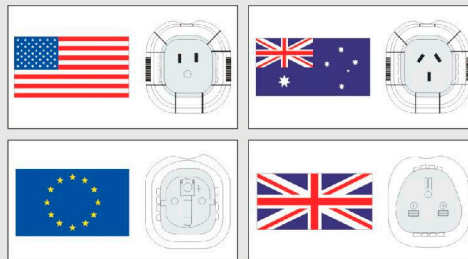
MS5902

CIRCUIT BREAKER FINDER

MS5902



Specifications	
MS5902R + MS5902T	Quickly and Easily Identifying Individual Branch Circuits Work in MS5902T without Disrupting Power.
MS5902T(Socket Tester Mode)	Correct Missing earth LED Indicating Conditions of Circuit Socket Live-earth reverse Live-neutral reverse Missing neutral
Work Light at the Head of MS5902R Pointing to the Target Area.	
Low Battery Indication	
Power Supply	1x9V 6F22 Battery
Category	CE CAT.II 600V



CIRCUIT TESTERS

MS6860B/MS6860C/MS6860D/MS6860E

SOCKET TESTER



Specifications	
Voltage Range	100V ~ 230V
LED Indicating Conditions of Circuit Socket	Correct Missing Earth Live-Earth Reverse Live-Neutral Reverse Missing Neutral
Category	CE CAT.II 500V

MS6860B



MS6860C



MS6860D



MS6860E



PROCESS CALIBRATORS

MS7212

40000 COUNTS MULTI-FUNCTIONS PROCESS CALIBRATOR



MS7212

Specifications

Multimeter Functions	Range	Accuracy
DC Voltage	400mV/4V/40V/300V	±(0.025% + 5)
AC Voltage	400mV/4V/40V/300V	±(0.8% + 10)
DC Current	400mA	±(0.1% + 10)
AC Current	400mA	±(0.7% + 10)
Resistance	400Ω/4KΩ/40KΩ/400KΩ	±(0.1% + 10)
Frequency	4Hz ~ 99.99Hz	±0.05Hz
	100Hz ~ 5kHz	±0.5Hz
	5kHz ~ 30kHz	±2Hz
Temperature(°C)	-50°C ~ 1300°C	±(0.3% + 1°C)
Source Output	Range	Accuracy
DC Voltage Output	100mV/5V/15V	±0.025%
DC Current Output	25mA	±0.02%
Frequency Output	20Hz ~ 5000Hz	±0.02%
Features		
Data Logging	40000 counts	
Auto Ranging	✓	
Manual Ranging	✓	
Relative Measurement	✓	
Continuity Duzzer	<50Ω	
MAX/MIN	✓	
Display Backlight	✓	
Date Hold	✓	
USB Interface	Windows OS	
General		
Power Supply	1 × 9V Battery & 8 × 1.5V AA Batteries	
Product Size	224mm × 172mm × 59mm/8.8" × 6.8" × 2.3"	
Product Weight	1100g/2.4lb	
Category	CE CAT.II 600V	



EMC LVD

PROCESS CALIBRATORS

MS7220/MS7221

PROCESS CALIBRATOR

MS7220



Specifications	MS7220 Thermocouple Calibrator	
Technical Specifications	Thermocouple Measurement	Thermocouple Simulation
Temperature Range	-200°C ~ -1800°C -328°F ~ -3272°F -10mV ~ 75mV	-200°C ~ -1800°C -328°F ~ -3272°F -10mV ~ 75mV
Resolution	0.1°C/0.1°F/0.01mV °C: ±(0.3°C + 10µV) °F: ±(0.5°F + 10µV) mV: ±(0.02% + 2)	0.1°C/0.1°F/0.01mV °C: ±(0.3°C + 10µV) °F: ±(0.6°F + 10µV) mV: ±(0.02% + 2)
Accuracy		
Special Functions	Description	Accuracy / Standard
CJC	Cold Junction Compensation	±0.2°C
TC Type Selection	Types: J, K, T, E, R, S, B, N	NIST175 / ITS-90
°C/°F Selection	Optional Temperature Unit Selection	
General		
Power Supply	9VDC, 006P or 1604	
Product Size	190mm × 89mm × 42mm / 7.5" × 3.5" × 1.7"	
Product Weight	350g / 0.3lb	
Category	CE	

MS7221



Specifications	MS7221 Voltage/MA Calibrator	
DC Voltage	Input (Measurement)	Source output
Range	0 ~ 100mV, 0 ~ 10V	0 ~ 100mV, 0 ~ 10V
Resolution	0.01mV, 0.001V	0.01mV, 0.001V
Accuracy	±(0.02% + 2)	±(0.02% + 2)
DC Current (mA)	Input (Measurement)	Source output
Range	0 ~ 24mA	0 ~ 24mA
Resolution	0.001mA	0.001mA
Accuracy	±(0.015% + 4)	±(0.015% + 4)
General		
Power Supply	9VDC, 006P or 1604	
Product Size	190mm × 89mm × 42mm / 7.5" × 3.5" × 1.7"	
Product Weight	350g / 0.3lb	
Category	CE	

PROCESS CALIBRATORS

MS7222

RTD CALIBRATOR (RESISTANCE TEMPERATURE DETECTOR)

MS7222



(RTD or Ohm) Measurement / Simulation	Range	Resolution	Accuracy
Pt10/Pt50/Pt100/Pt200/Pt500 Pt1000(385)/Pt100(JIS)	0Ω to 3200Ω	0.1Ω	0.1Ω to 1Ω
Special Functions			
°C/°F Selection			
RTD Type Selection			
General			
Power Supply	9VDC, 006P or 1604		
Product Size	190mm × 89mm × 42mm / 7.5" × 3.5" × 1.7"		
Product Weight	350g / 0.3lb		
Certificate	CE		

MS7282

MULTI-FUNCTIONS PROCESS CALIBRATOR

MS7282



Specifications	
DC Voltage	0~100mV, 0~1V±(0.1%+5)
DC Current	0~22mA±(0.1%+5)
Frequency	10.00Hz~10.00kHz±5 digit
Measurement (Input)	
DC Voltage	0~1000V
AC Voltage	0~700V
DC Current	0~400mA
AC Current	0~400mA
Resistance	0~40MΩ
Capacitance	0~200.0μF
Frequency	0~5.000MHz
Special Functions	
Auto Ranging	✓
Temperature (°C)	✓
Diode	✓
Continuity Buzzer	✓
rFE	✓
Data Hold	✓
Display Backlight	✓
Category	CE CAT.II 1000V

MS7207

LOOP CALIBRATOR

MS7207



Specifications	
DC Current	0~20mA±(0.025%+2)
	4~20mA±(0.025%+2)
Measurement (Input)	
DC Voltage	0~28.000V±(0.025%+4)
DC Current	0~24.000mA±(0.025%+4)
Special Functions	
Display Backlight	✓
Category	CE CAT.III 300V

PROCESS CALIBRATORS

MS7287

MULTI-FUNCTIONS PROCESS CALIBRATOR



Specifications		
Loop Calibration (Output)	Range	Accuracy
DC Current Output (Source mode, 20mA at 1kΩ)	0~20.00mA 4~20.00mA	±(0.05%+5) ±(0.05%+5)
Power: Battery	0~24.00mA	±(0.05%+5)
DC mA Output (Simulate mode 20mA at 1 kΩ)	0~20.00mA 4~20.00mA	±(0.05%+5) ±(0.05%+5)
Power: Compliance Voltage	0~24.00mA	±(0.05%+5)
Compliance Voltage	12V~32V	
Compliance Voltage	Manual: Coarse Adjustment (1mA), Fine Adjustment (0.0001mA) & Step 25% Auto: Slow Smooth Ramp, Fast Smooth Ramp, Slow Smooth Rate, Fast Smooth Rate	
Loop Calibration (Output)	Range	Accuracy
DC Voltage	0~1000V	±(0.1%+5)
AC Voltage	0~700V	±(1%+5)
DC Current	0~40mA 0~1A	±(0.05%+5) ±(0.2%+5)
AC Current	0~40mA 0~1A	±(1%+5) ±(5%+5)
Resistance	0~40MΩ	±(0.2%+10)
Frequency	0~20kHz	±(0.05%+2)
Special Functions		
Auto Ranging	✓	
Manual Ranging	✓	
MAX/MIN/AVG	✓	
REL	Relative Measurement	
Data Hold	✓	
Display Backlight	✓	
Category	CE CAT.III 1000V	

LCR METERS

MY6013A/MY6243

MY6013A CAPACITANCE METER MY6243 DIGITAL C/L METER



Specifications	Range	Accuracy	
		MY6013A	MY6243
Capacitance	200pF/2nF/20nF/200nF/2μF/20μF/200μF	±0.5%	
	2000μF	±1.0%	
	20mF	±2.0%	
	2nF/20nF/200nF/2μF/20μF/200μF		±2.0%
Inductance	2mH/20mH/200mH		±2.0%
	2H		±5.0%
General			
Power Supply	1×9V 6F22 Battery	✓	✓
Product Size	189mm×91mm×31.5mm/ 7.4"×3.6"×1.2"	✓	✓
Product Weight	300g/0.7lb	✓	✓
Certificate		CE	CE

MY6013A



MS6243



LCR METERS

MS5308

AUTORANGING DIGITAL LCR TESTER

MS5308



Resistance Measurement				Capacitance Measurement				Inductance Measurement			
Frequency	Range	Resolution	Accuracy	Frequency	Range	Resolution	Accuracy	Frequency	Range	Resolution	Accuracy
100Hz/120 Hz	200.00Ω	0.01Ω	1.0%+5g	100Hz/20 Hz	20.000nF	1pF	1.0%+5d	100Hz/120 Hz	20.000mH	1uH	1.0%+5d
100Hz/120 Hz	2.0000KΩ	0.1Ω	0.3%+5g	100Hz/20 Hz	200.00nF	0.01nF	0.5%+5d	100Hz/120 Hz	200.00mH	0.01mH	0.5%+5d
100Hz/120 Hz	20.000KΩ	1Ω	0.3%+5g	100Hz/20 Hz	2000.0nF	0.1nF	0.5%+5d	100Hz/120 Hz	2000.0mH	0.1mH	0.5%+5d
100Hz/120 Hz	200.00KΩ	0.01KΩ	0.5%+5g	100Hz/20 Hz	20.000uF	1nF	0.5%+5d	100Hz/120 Hz	20.000H	1mH	0.5%+5d
100Hz/120 Hz	2.0000MΩ	0.1KΩ	1.0%+5g	100Hz/20 Hz	200.00uF	0.01uF	1.0%+5d	100Hz/120 Hz	200.00H	0.01H	1.0%+5d
100Hz/120 Hz	20.000MΩ	1KΩ	1.0%+5g	100Hz/20 Hz	2000.0uF	0.1uF	2.0%+5d	100Hz/120 Hz	2000.0H	0.1H	1.0%+5d
100Hz/120 Hz	200.00MΩ	0.1MΩ	2.0%+5g	100Hz/20 Hz	20.000mF	0.1mF	2.0%+5d	100Hz/120 Hz	20.000kH	1H	2.0%+5d
1kHz	20.000Ω	0.001Ω	1.0%+5d	1kHz	2000.0pF	0.1pF	1.0%+5d	1kHz	2000.0uH	0.1uH	1.0%+5d
1kHz	200.00Ω	0.01Ω	0.3%+5d	1kHz	20.000nF	1pF	1.0%+5d	1kHz	20.000mH	1uH	0.5%+5d
1kHz	2.0000KΩ	0.1Ω	0.3%+5d	1kHz	200.00nF	0.01nF	0.5%+5d	1kHz	200.00mH	0.01mH	0.5%+5d
1kHz	20.000KΩ	1Ω	0.3%+5d	1kHz	2000.0nF	0.1nF	0.5%+5d	1kHz	2000.0mH	0.1mH	1.0%+5d
1kHz	200.00KΩ	0.01KΩ	0.5%+5d	1kHz	20.000uF	1nF	0.5%+5d	1kHz	20.000H	1mH	1.0%+5d
1kHz	2.0000MΩ	0.1KΩ	1.0%+5d	1kHz	200.00uF	0.01uF	1.0%+5d	1kHz	200.00H	0.01H	2.0%+5d
1kHz	20.000MΩ	1KΩ	2.0%+5d	1kHz	2000.0uF	0.1uF	1.0%+5d	1kHz	2000.0H	0.1H	5.0%+5d
1kHz	200.00MΩ	0.1MΩ	5.0%+5d	10kHz	200.00pF	0.01pF	1.0%+5d	10kHz	200.00uH	0.01uH	1.0%+5d
10kHz	20.000Ω	0.001Ω	1.0%+5d	10kHz	2000.0pF	0.1pF	1.0%+5d	10kHz	2000.0uH	0.1uH	0.5%+5d
10kHz	200.00Ω	0.01Ω	0.5%+5d	10kHz	20.000nF	1pF	1.0%+5d	10kHz	20.000mH	1uH	0.5%+5d
10kHz	2.0000KΩ	0.1Ω	0.3%+5d	10kHz	200.00nF	0.01nF	1.5%+5d	10kHz	200.00mH	0.01mH	1.5%+5d
10kHz	20.000KΩ	1Ω	0.5%+5d	10kHz	2000.0nF	0.1nF	2.0%+5d	10kHz	2000.0mH	0.1mH	2.0%+5d
10kHz	200.00KΩ	0.01KΩ	1.0%+5d	100kHz	200.00pF	0.01pF	2.0%+5d	10kHz	20.000H	0.001H	5.0%+5d
100kHz	20.000Ω	0.001Ω	1.0%+5d	100kHz	2000.0pF	0.1pF	1.0%+5d	100kHz	20.000uH	0.001uH	1.0%+5d
100kHz	200.00Ω	0.01Ω	1.0%+5d	100kHz	20.000nF	1pF	2.0%+5d	100kHz	200.00uH	0.01uH	2.0%+5d
100kHz	2.0000KΩ	0.1Ω	1.0%+5d	100kHz	200.00nF	0.01nF	5.0%+5d	100kHz	2000.0uH	0.1uH	2.0%+5d
100kHz	20.000KΩ	1Ω	2.0%+5d					100kHz	20.000mH	1uH	2.0%+5d
								100kHz	200.00mH	0.01mH	5.0%+5d

Special Functions
 Auto LCR smart check and measurement
 Dual display, 20000 counts and 2000 counts
 Series and Parallel measurement mode are selectable
 Support DCR mode

General Characteristic
 Power Supply: 8 × 1.5 AA Batteries & 1 × 6V 6LR6
 Product Size: 224mm × 172mm × 59mm
 CE

ELECTRIAL TESTERS

MS8906

VOLTAGE/CONTINUITY TESTER

MS8906



Specifications

Voltage Test Range: 12V ~ 600V AC/DC
 LED Voltage Indication Points: 12V/24V/46V/110V/220V/330V/460V/600V
 Voltage Polar Indication (AC/DC)
 Continuity Check
 Work Light
 Single Probe Test: Live Circuit Detection
 Phase Sequence Test (Three Phase AC)
 Working Current: 0.5mA

General

Power Supply: 2 × 1.5V AAA Batteries
 Product Size: 145mm × 67mm × 30mm (5.7" × 2.6" × 1.4")
 Product Weight: 235g (0.5lb)
 Category: CE ETL CAT. III 600V



MS5900

THREE PHASE ROTATION INDICATOR

MS5900



Specifications	Description
Operating Voltage	120V—400V AC
Current Consumption	≈20mA
Frequency Range	2Hz—400Hz
General	
Power Supply	1 × 9V 6F22 Battery
Product Size	124mm×61mm×27mm/4.9"×2.4"×1.1"
Product Weight	150g/0.3lb
Category	CE CAT.III 300V

MS8910

DIGITAL SMD TESTER

MS8910



Specifications	Range	Accuracy
Resistance	300Ω/3KΩ/30KΩ/300KΩ/3MΩ/30MΩ	±(1.0% + 2)
Capacitance	3nF/30nF/300nF/3μF/30μF	±(2.5% + 3)
	300μF/3mF/30mF	±(3.0% + 3)
Features		Description
Display	3000 counts	
Auto Ranging	✓	
Manual Ranging	✓	
Auto Scanning	✓	
Auto Power Off	✓	
Diode	2.7V	
Continuity Buzzer	<50Ω	
Low Battery Display	✓	
General		
Power Supply	1 × 3V CR2032 Battery	
Product Size	170mm×31mm×17mm/6.7"×1.2"×0.7"	
Product Weight	50g/0.1lb	
Certificate	CE	



ELECTRIAL TESTERS

MS8902A/MS8902B

AC VOLTAGE & METAL DETECTOR



MS8902A



MS8902B



Specifications		
	MS8902A	MS8902B
Non-Contact AC Voltage Detecting	✓	✓
AC Voltage Range	12V~600V AC/50~60Hz	20V~600V AC/50~500Hz
The Sensitivity of AC Voltage Adjusting and the Default Sensitivity of AC Voltage Setting	✓	✓
Metal Detecting		Detection Distance: <30mm
Sound and Light Instructions	✓	✓
Auto Power Off	✓	✓
Weight	APPROX. 42g(including Battery)	APPROX. 45g(including Battery)
Battery	2 × 1.5V(AAA Type)	1 × 12V(A235)
Operating Temperature and Humidity	-10~50°C/ < 85%RH	-10~50°C/ < 85%RH
Double Molded Case	✓	✓
Low-Battery Indication	✓	✓
MEM Function(AC Voltage Sensitivity)	✓	✓
General		
Power Supply	2 × 1.5V AAA	2 × 1.5V AAA
Product Size	157 × 24 × 20mm/ 6.2" × 0.9" × 0.8"	157 × 24 × 20mm/ 6.2" × 0.9" × 0.8"
Product Weight	42g/0.1lb	45g/0.1lb
Category	CE ETL-US CAT.III 600V	CE CAT.III 600V

ELECTRIAL TESTERS

MS8900

AC VOLTAGE DETECTOR



MS8900



Specifications	
	MS8900
Measurement Methods	Non-Contact
Voltage Sensitivity	100 to 240V AC
Voltage Range	100V~600V
Detecting Distance	<5mm
Frequency	50Hz~60Hz
Operating Temperature	32 to 122°F (0 to 50°C)
Operating Humidity	<85%RH
General	
Power Supply	2 × 1.5V AAA Batteries
Product Size	148mm × 25mm × 20mm/5.8" × 1.0" × 0.8"
Product Weight	40g/0.1lb
Category	CE CAT.III 600V

MS6818



EMC
LVD

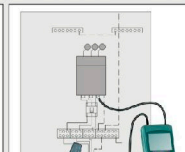
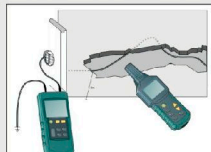
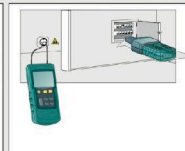
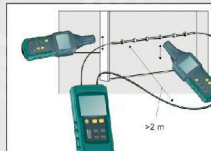
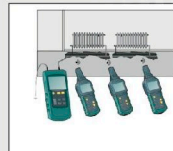
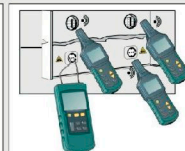
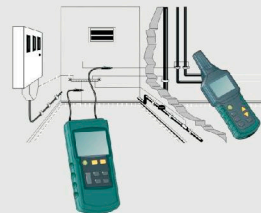


Specifications

- Find the open or shorts of cables in the wall or earth
- Track cables in the wall or earth
- Find the fuse and safeguard
- Find the open or shorts of conduit under the floor
- Track the conduit made by metal in the project of ware or hot
- Sensitivity of receiver can be selected
- Work Light

General

Power Supply	1 × 9V 6LR61, 6 × 1.5V AAA LR03
Receiver Size	241.5mm × 78mm × 38.5mm / 9.5" × 3.1" × 1.5"
Emitter Size	190mm × 89mm × 42.5mm / 7.5" × 3.5" × 1.7"
Receiver Weight	106g / 0.2lb
Emitter Weight	420g / 0.9lb
Category	CE CAT III 400V



WIRE TESTERS

MS6813

MULTI-FUNCTIONS CABLE TRACKER

MS6813



Specifications

- Testing Coaxial Cable (BNC)
- Testing 10Base-T, T568A, T568B, Token Ring
- Testing Cables' Shield Integrity
- Judge Continuity of the Cables or Wires
- Track the cables or wires, and diagnose the break point
- Receive the tone signal on the cables or wires (telephone line)
- Identify the state in the working telephone line (clear, ringing, busy)
- Send tone frequency: 4kHz
- Receive frequency: 100Hz~300kHz

General

Power Supply	2 × 9V 6F22
Product Size	211mm×84mm×55mm/8.3"×3.3"×2.1"
Product Weight	400g/0.9lb
Certificate	CE



WIRE TESTERS

MS6810/MS6811/MS6812

CABLE TESTER/TRACKER



Specifications

	MS6810	MS6811
Testing Coaxial Cable (BNC)	✓	
Testing 10Base-T, T568A, T568B, Token Ring	✓	
Testing Cables' Shield Integrity	✓	✓
Measurement Distance Of Cables	200m(max)	200m(max)
Battery Low Led Indicator		✓
General		
Power Supply	1 × 9V 6F22	1 × 6V L1325/4LR44
Product Size	153 × 74 × 31 mm/ 6.0" × 2.9" × 1.2"	125 × 55 × 30 mm/ 4.9" × 2.2" × 1.2"
Product Weight	150g/0.3lb	125g/0.3lb
Category	CE	CE

Specifications

MS6812

- Judge continuity of the cables or wires
- Track the cables or wires, and diagnose the break point
- Receive the tone signal on the cables or wires (telephone line)
- Identify the state in the working telephone line (clear, ringing, busy)
- Send a single solid or a dual alternating tone to the target cables or wires.
- Send tone frequency: 1.5kHz
- Receive frequency: 100Hz~300kHz

General

Power Supply	9V 6F22
Receiver Size	238mm × 43mm × 26mm/9.4" × 1.7" × 1.0"
Emitter Size	145mm × 35mm × 25mm/5.7" × 1.4" × 1.0"
Receiver Weight	106g/0.2lb
Emitter Weight	114g/0.3lb
Certificate	CE

MS6810



MS6811



MS6812





MS6306



MS6308



Specifications	MS6306	MS6308
Illumination	Range: 0~5000LUX Resolution: 1 LUX Accuracy: $\pm 5\% + 10$	Range: 0~5000LUX Resolution: 1 LUX Accuracy: $\pm 5\% + 10$
Sound Level	Range: 30~130dB Resolution: 0.1dB Accuracy: $\pm 2dB$, 30Hz~8KHz	Range: 30~130dB Resolution: 0.1dB Accuracy: $\pm 2dB$, 30Hz~8KHz
Temperature	Range: -20°C~50°C Resolution: 0.1°C Accuracy: $\pm 0.9^\circ C @ 40^\circ C \sim 50^\circ C$ $\pm 0.5^\circ C @ 5^\circ C \sim 40^\circ C$ $\pm 1.1^\circ C @ -20^\circ C \sim 5^\circ C$	Range: -20°C~50°C Resolution: 0.1°C Accuracy: $\pm 0.9^\circ C @ 40^\circ C \sim 60^\circ C$ $\pm 0.5^\circ C @ 5^\circ C \sim 40^\circ C$ $\pm 1.1^\circ C @ -20^\circ C \sim 5^\circ C$
Humidity	Range: 10%RH~90%RH Resolution: 1% Accuracy: $\pm 2\%$ RH	Range: 10%RH~90%RH Resolution: 1% Accuracy: $\pm 2\%$ RH
Anemometer	Range: 50.0fpm~3000fpm/ 0.25m/sec~15m/sec Resolution: 1 fpm(0.005m/sec) Accuracy: $\pm 4\%$ or 4fpm	Range: 50.0fpm~3000fpm 0.25m/sec~15m/sec Resolution: 1 fpm(0.005m/sec) Accuracy: $\pm 4\%$ or 4fpm
Atmospheric pressure	Range: 0kPa~400kPa Resolution: 0.1kPa Accuracy: $\pm 3\%$, -10°C~40°C	Range: 0kPa~400kPa Resolution: 0.1kPa Accuracy: $\pm 3\%$, -10°C~40°C
GPS (Global Positioning System)	Range: Altitude < 20000m Speed < 1852km/h Acceleration < 6g/s Resolution: Altitude: 0.1m Accuracy: altitude error: < 15m Speed error < 0.2m/s	Range: Altitude < 20000m Speed < 1852km/h Acceleration < 6g/s Resolution: Altitude: 0.1m Accuracy: altitude error: < 15m Speed error < 0.2m/s
CO		Range: 0~500ppm Resolution: 1 ppm Accuracy: $\pm 5\%$ or $\pm 3ppm @ 20^\circ C$ 50%RH
CO2		Range: 0~5000ppm Resolution: 1 ppm Accuracy: $\pm 5\%$ or $\pm 75ppm @ 20^\circ C$ 50%RH
Auto Ranging	✓	✓
Manual Ranging	✓	✓
Data Hold	✓	✓
Display Backlight	✓	✓
Low Battery Indication	✓	✓
Fast/Slow selection (dB)	✓	✓
Max Hold	✓	✓
USB Interface	Windows OS	Windows OS
Power Supply	6x1.2V Ni-MH AA	282.5mm x 104mm x 63.5mm/ 11.1" x 4.1" x 2.5"
Product Size	282.5mm x 104mm x 63.5mm/ 11.1" x 4.1" x 2.5"	282.5mm x 104mm x 63.5mm/ 11.1" x 4.1" x 2.5"
Category	CE	CE



MS6300



Specifications	Range	Resolution	Accuracy
Temperature	-10~60°C	0.1°C	$\pm 1^\circ C$
	14~140°F	0.1°F	$\pm 2^\circ F$
Humidity	20%~80%RH	0.1RH	$\pm 3.0\%RH$
	<20% or >80%RH		$\pm 5.0\%RH$
Light	0~5000DLUX	1 LUX	$\pm (5.0\% + 10)$
	0.4~20m/s	0.1m/s	$\pm (3.0\% + 10)$
Anemometer	1.4~72m/h	0.1Kmh/s	$\pm (3.0\% + 10)$
	1.3~65.7ft/s	0.1ft/h	$\pm (3.0\% + 10)$
	0.8~38.9knots	0.1knots	$\pm (3.0\% + 10)$
	0~99990CFM	0.1CFM(<100CFM)	$\pm (3.0\% + 10)$
Air Flow(CMM)		1CMM(>1000)	
	0~99990CFM	0.1CFM(<100CFM)	$\pm (3.0\% + 10)$
Air Flow(CFM)		1CFM(>100CFM)	
	30~130dB(A)	0.1dB	$\pm 1.5dB$
Sound Level	35~130dB(C)		

Features
Auto Ranging
Data Hold
AVG/MAX/MIN/DIF(MAX-MIN)
Low Battery Display
Auto/Manual Power Off

General	
Power Supply	1x9V 6F22 Battery
Product Size	286mm x 89mm x 50mm/11.0" x 3.5" x 2.0"
Product Weight	430g/0.9lb
Certificate	CE

MS6508

TEMPERATURE HUMIDITY METER

MS6508



Specifications	Range
Ambient Temperature	Range: -20 to 50°C (-4 to 140°F) Accuracy: $\pm 1.0^\circ\text{C}$ on 0 to 45°C $\pm 1.5^\circ\text{C}$ on -20 to 0°C, 45 to 60°C Resolution: 0.1°C/°F
Relative Humidity	Range: 0 to 100% RH Accuracy: $\pm 3.0\%$ RH (10 to 90%) $\pm 4.0\%$ RH (0 to 10%, 90 to 100%)
Wet Bulb Temperature Range	-20 to 60°C (-4 to 140°F) Accuracy: $\pm 1.0^\circ\text{C}$ on 0 to 45°C $\pm 1.5^\circ\text{C}$ on -20 to 0°C, 45 to 60°C Resolution: 0.1°C/°F
Dew Point Temperature	Range: -50 to 50°C (-58 to 140°F) Accuracy: $\pm 1.0^\circ\text{C}$ on 0 to 45°C $\pm 1.5^\circ\text{C}$ on -50 to 0°C, 45 to 60°C Resolution: 0.1°C/°F
Update Rate:	400ms
°C/°F Selection	
Data Hold	
Display Backlight	
MAX/MIN Mode	
Data Logging and Recall:	100 groups
General	
Power Supply	4 x 1.5V AAA Batteries
Product Size	184mm x 60mm x 29mm / 7.2" x 2.4" x 1.1"
Product Weight	190g/0.4lb
Certificate	CE

MS6511/MS6512/MS6513/MS6514

DIGITAL THERMOMETER

MS6511

MS6512

MS6513

MS6514



Specifications

	MS6511	MS6512	MS6513	MS6514
Thermocouple Type	K, J, T, E	K, J, T, E	K, J, T, E, R, S, N	K, J, T, E, R, S, N
Channel	Single	Dual	Single	Dual
Measurement Range	K: -200.0°C to +1372°C / -328.0°F to +2501°F J: -210.0°C to +1200°C / -348.0°F to +2192°F T: -250.0°C to +400°C / -418.0°F to +752°F E: -150.0°C to +1000°C / -238.0°F to +1832°F R: 0°C to +1767°C / 32°F to +3212°F S: 0°C to +1787°C / 32°F to +3212°F N: -200.0°C to +1300°C / -328.0°F to +2372°F			
Resolution	0.1°C, 0.1°F, 0.1K			
Accuracy	$\pm(0.5\% + 0.5^\circ\text{C})$			
Data Logging	1000 groups			
Ambient Temperature Compensation	✓	✓	✓	✓
Auto Power Off	✓	✓	✓	✓
MAX/MIN/AVG	✓	✓	✓	✓
DATA Hold	✓	✓	✓	✓
USB Interface	✓	✓	✓	✓
General				
Power Supply	1 x 9V 6F22	1 x 9V 6F22	1 x 9V 6F22	1 x 9V 6F22
Product Size	190 x 89 x 42mm / 7.5" x 3.5" x 1.7"	190 x 89 x 42mm / 7.5" x 3.5" x 1.7"	190 x 86 x 42mm / 7.5" x 3.5" x 1.7"	190 x 86 x 42mm / 7.5" x 3.5" x 1.7"
Product Weight	350g/0.8lb	350g/0.8lb	350g/0.8lb	350g/0.8lb
Certificate	CE	CE	CE	CE



DIGITAL SOUND LEVEL METER



MS6701



MS6708



Specifications	Range		
		MS6701	MS6708
Measurement Range	30dB – 130dB	✓	✓
Accuracy	±2dB	✓	✓
Resolution	0.1dB	✓	✓
Display	2000 counts	✓	✓
Sample Rate	2 times/s	✓	✓
Frequency Range	30Hz – 8KHz	✓	✓
Data logging	16000 records	✓	✓
Display	2000 counts	✓	✓
Over Range Indication	"UNDER" / "OVER"	✓	✓
Auxiliary Output	AC: 0.707 Vrms at Full Range for Each Level Impedance 600Ω DC: 10mV/dB, Impedance 100Ω	✓	✓
Analog Bar Indication		✓	✓
Auto Range		✓	✓
Manual Range		✓	✓
Auto Power Off		✓	✓
Fast/Slow Selection		✓	✓
MAX Value Hold Function		✓	✓
A/C Weighting Selection		✓	✓
Date And Time Display		✓	✓
USB Interface		✓	✓
Display Backlight		✓	✓
Low Battery Display		✓	✓
General			
	MS6701	MS6708	
Power Supply	6 × 1.5V AAA Batteries	4 × 1.5V AAA Batteries	
Product Size	245mm × 80mm × 35mm / 9.6" × 3.1" × 1.4"	193mm × 60mm × 29mm / 7.6" × 2.4" × 1.1"	
Product Weight	350g / 0.8lb	200g / 0.4lb	
Category	CE	CE	

DIGITAL SOUND LEVEL METER with Temperature & Humidity



MS6702



Specifications	Range		
		MS6701	MS6708
Measurement Range	30dB – 130dB	✓	✓
Accuracy	±2dB	✓	✓
Resolution	0.1dB	✓	✓
Display	2000 counts	✓	✓
Sample Rate	2 times/s	✓	✓
Frequency Range	30Hz – 8KHz	✓	✓
Over Range Indication	"UNDER" / "OVER"	✓	✓
Auxiliary Output	AC: 0.707 Vrms At Full Range For Each Level Impedance 600Ω DC: 10mV/dB, Impedance 100Ω	✓	✓
Temperature	-20°C – 10°C ±1°C 10°C – 60°C ±2°C	✓	✓
Relative Humidity	10% – 90% ±3.5%RH	✓	✓
Analog Bar Indication		✓	✓
Auto Range		✓	✓
Manual Range		✓	✓
Auto Power Off		✓	✓
Fast/Slow Selection		✓	✓
°C/°F Selection		✓	✓
MAX Value Hold Function		✓	✓
A/C Weighting Selection		✓	✓
Display Backlight		✓	✓
Low Battery Display		✓	✓
General			
Power Supply	6 × 1.5V AAA Batteries	4 × 1.5V AAA Batteries	
Product Size	245mm × 80mm × 35mm / 9.6" × 3.1" × 1.4"	193mm × 60mm × 29mm / 7.6" × 2.4" × 1.1"	
Product Weight	350g / 0.8lb	200g / 0.4lb	
Category	CE	CE	

MS6612

DIGITAL LIGHT METER

MS6612



Specifications	Range
Measurement range	0 – 200000Lux / 0 – 20000FC
Accuracy	±3%
Resolution	0.01Lux / 0.01FC
Display	2000 counts
Analog Bar Indication	
Auto Range	
Manual Range	
Auto Power Off	
MAX/MIN Function	
Relative Measurement	
Peak Measurement	
FC/Lux Unit Selection	
Data Hold	
Display Backlight	
Low Battery Display	
General	
Power Supply	1 × 9V 6F22 Battery
Product Size	190mm × 69mm × 43mm / 7.5" × 3.5" × 1.7"
Product Weight	420g / 0.9lb
Category	CE

MS6252A/MS6252B

DIGITAL ANEMOMETER

MS6252A



Specifications			
Air Velocity	Range	Accuracy	
			MS6252A MS6252B
m/s (meter per second)	0.40 – 80.0	±3%	✓ ✓
ft/minute (per minute)	80 – 5000	±3%	✓ ✓
km/h (kilometer per hour)	1.4 – 108.0	±3%	✓ ✓
mile/h (mile per hour)	0.9 – 67.0	±3%	✓ ✓
Knots (nautical miles per hour)	0.8 – 59.0	±3%	✓ ✓
Air Temperature	-20 to 60°C (-4 to 140°F)	±1°C (±2.0°F)	✓ ✓
Air Relative Humidity	0 to 100% RH	±3%	✓ ✓
Air Flow	Range	Area	
CFM	0 to 99990	0 to 9 999ft ²	✓ ✓
CLM	0 to 99990	0 to 9 999m ²	✓ ✓
CMS	0 to 9999	0 to 9 999m ²	✓ ✓
Flow Area Setting			✓ ✓
MAX/MIN Function			✓ ✓
Display Backlight			✓ ✓
Auto Power Off			✓ ✓
*C/F Selection			✓ ✓
Ambient, Dew Point & Wet Bulb Temperature Selection			✓ ✓
Low Battery Display			✓ ✓
USB Interface (Windows OS)			✓ ✓
General			
Power Supply	1 × 9V 6F22		✓ ✓
Product Size	165mm × 85mm × 38mm / 6.5" × 3.3" × 1.5"		✓ ✓
Product Weight	200g / 0.4lb		✓ ✓
Certificate	CE		✓ ✓

MS6252B



MS6208A/MS6208B

DIGITAL TACHOMETER

MS6208A



MS6208B



Specifications	MS6208A	MS6208B
Contact Measurement	50~19999RPM ±(0.03%+2)	
Non-Contact Measurement (Photo)		50~19999RPM ±(0.03%+2)
Measuring Distance	N/A	50mm~250mm
Auto Power Off	30s	30s
MAX/MIN/AVG Functions	✓	✓
m/min m/sec ft/min ft/sec in/min/unit selection	✓	✓
Data Logging	100 groups	100 groups
Data Hold	✓	✓
Display Backlight	✓	✓
Low Battery Indication	✓	✓
General		
Power Supply	4 × 1.5AAA	
Product Size	193mm × 60mm × 29mm/7.5" × 2.4" × 1.1"	
Product Weight	120g/0.3lb	
Category	CE	

MS6450

ULTRASONIC DISTANCE METER

MS6450



Specifications	
Measurement Range	0.6m~15m (2 feet~50 feet)
Accuracy	±(0.5% ± 1)
Resolution	0.01m(1 inch)
m/feet Unit Selection	
Area & Volume Calculating	
Laser Target Pointer	
Display Backlight	
General	
Power Supply	1 × 9V 6F22 Battery
Product Size	136mm × 58mm × 38mm/5.4" × 2.3" × 1.5"
Product Weight	150g/0.3lb
Category	CE

MS6900

MOISTURE TESTER

MS6900



Specifications	
Measurement Depth	0 ~ 50mm
Object Moisture	0 ~ 90% ± 1%
Ambient Temperature(°C)	-10°C ~ 50°C ± 0.5°C
Ambient Temperature(°F)	14°F ~ 122°F ± 1°F
Ambient Humidity	0 ~ 100%RH ± 4%
Resolution	0.1%, 0.1°C, 0.1°F, 0.1%RH
MAX/MIN Measurement Mode	
°C/°F Selection	
Low Battery Indication	
Display Backlight	
Data Hold	
General	
Power Supply	2 × 1.5V AAA Batteries
Product Size	130mm × 69mm × 29mm/5.1" × 2.7" × 1.1"
Product Weight	203g/0.4lb
Category	CE

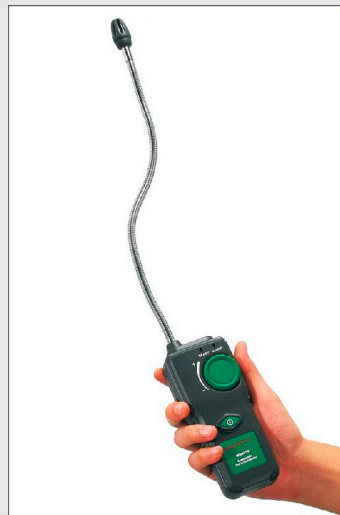
MS6310

COMBUSTIBLE GAS DETECTOR

MS6310



Specifications	
Easy To Identify And Pinpoint Gas Leaks	
Portable And High Sensitivity	
Alarm At 10% ~ 40% Level	
Resume Original Measurement State In 7 ~ 10 Minutes In Pure Air	
Gas Detected: Natural gas, Methane, Ethane, Propane, Butane, Acetone, Alcohol, Ammonia, Steam, Carbon Monoxide, Gasoline, Jet fuel, Hydrogen Solvents, Lacquer thinner, Naphtha	
Warming Up Time: 2 Minutes	
Response Time: 2 Seconds General	
General	
Power Supply	4 × 1.5V AA Batteries
Product Size	172mm × 70mm × 46mm/6.8" × 2.8" × 1.8"
Product Weight	450g/1.0lb
Category	CE



MS6311

CARBON MONOXIDE (CO) DETECTOR

MS6311



Specifications	
Measurement Range:	0 ~ 1000ppm
MAX Measurement	
Data Logging:	10 groups
Audible Alarm When Co > 35ppm, And Continuous Beep When > 200ppm	
Auto Power Off:	15 minutes
Display Backlight	
Ambient Air Safety Checks on Residential Appliances	
HVAC Service on Furnaces and Hot Water Heaters	
Cook Room Gas-Fired Stove Inspections	
Industrial Environments where the Accumulation of CO is Possible	
Warming Up Time:	40 seconds
General	
Power Supply	4 x 1.5V AAA Batteries
Product Size	163mm x 60mm x 29mm / 6.6" x 2.4" x 1.1"
Product Weight	250g / 0.6lb
Category	CE

MS6903

pH METER

MS6903



Specifications	
Measurement Range	0 ~ 14.00pH
Resolution	0.01pH
Accuracy	± 0.02pH
Ambient Temperature Measurement Range	5°C ~ 60°C
Resolution	0.1°C
Accuracy	± 1°C
Data Logging	30 groups
Automatically Temperature Compensation	
Portable, High Sensitivity, Fast Response	
General	
Power Supply	4 x 1.5V AAA Batteries
Product Size	190mm x 37mm x 37mm / 7.5" x 1.5" x 1.5"
Product Weight	100g / 0.2lb
Category	CE



MS6906/MS6908

ELECTRONIC STUD METAL FINDER

MS6906



MS6908



Specifications	MS6906	MS6908
Wooden Pillar / Metal Stud Detection Depth	30mm	30mm
Metal Pipe Detection Depth	50mm	50mm
AC Voltage Detection Depth (50V – 600V AC)	75mm	75mm
LCD Dynamic Indication And Vocality Indication	✓	✓
Low Battery Warning	✓	✓
3 Wire Circuit Socket Test	✓	✓
GFCI Test	✓	✓
General		
Power Supply	1 x 9V 6F22 Batteries	✓
Product Size	160mm x 70mm x 42mm / 6.3" x 2.8" x 1.7"	✓
Product Weight	200g / 0.4lb	240g / 0.5lb
Category	CAT II 600V	CE CE

MS6906



MS6908



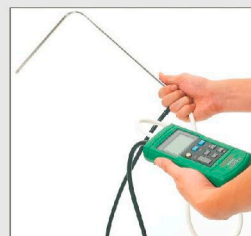
MS6302

PITOT TUBE ANEMOMETER + DIFFERENTIAL MANOMETER

MS6302



Specifications	Range	Resolution	Accuracy
Pressure			
Psi	0.7252psi	0.0001psi	± 0.3% F.S.
Mbar	50.06mbar	0.01mbar	± 0.3% F.S.
inH ₂ O	20.07 inH ₂ O	0.01inH ₂ O	± 0.3% F.S.
mmH ₂ O	509.8 mmH ₂ O	0.01mmH ₂ O	± 0.3% F.S.
Pa	5000Pa	1Pa	± 0.3% F.S.
Air Velocity			
ft/min	200 – 15733	1	± (1%F.S. + 5)
m/s	1 – 80.00	0.01	± (1%F.S. + 5)
Km/h	3.5 – 288.0	0.1	± (1%F.S. + 5)
MPH	2.25 – 178.66	0.01	± (1%F.S. + 5)
Knots	2.0 – 154.6	0.1	± (1%F.S. + 5)
Air Flow			
CFM	0 – 99999	0.0001 – 1	
CMM	0 – 99999	0.0001 – 1	
Temperature			
°F	32.0 – 122.0°F	0.1°F	± 3°F
°C	0 – 50°C	0.1°C	± 1.5°C
Pressure			
MAX/MIN/AVG recording			
Data Hold and Auto power off function			
Large LCD display			
Zero function for offset correction or measurement			
Data Logging: 500 groups			
USB interface for Windows OS			
General			
Power Supply	9VDC, D06P or 1604		
Product Size	190mm x 89mm x 42mm / 7.5" x 3.5" x 1.7"		
Product Weight	350g / 0.8lb		
Category	CE		



ANALOG MULTIMETERS

MS100A/MS100B

ANALOG MULTIMETER

MS100A



MS100B



Specifications	Range	Accuracy	
		MS100A	MS100B
DC Voltage	2.5V-300V	±5.0% full scale of range	±5.0% full scale of range
AC Voltage	10V-300V	±5.0% full scale of range	±5.0% full scale of range
DC Current	10mA-250mA	±5.0% full scale of range	±5.0% full scale of range
Resistance	20kΩ/2MΩ	±5.0% full scale of range	±5.0% full scale of range
Battery Test	1.5V/9V	✓	✓
General			
Power Supply		1.5V Battery ,LR6 AA X 2	1.5V Battery ,LR6 AA X 2
Product Size	mm	116mm × 68mm × 35mm	116mm × 68mm × 35mm
	Inch	4.57" × 2.68" × 1.36"	4.57" × 2.68" × 1.36"
Product Weight		195g/0.4lb	195g/0.4lb
Category		CAT. II 300V CE ETL	CAT. III 300V CE ETL

ANALOG MULTIMETERS

MS312/MS318/MS319

ANALOG MULTIMETER

MS312



MS318



MS319



Specifications	MS312			MS318	MS319
	MS312	MS318	MS319	MS318	MS319
DC Voltage	10/50/150/300V 10/50/250/500V 2.5/10/50/250/1000V	±4% full scale of range		±4% full scale of range	±4% full scale of range
AC Voltage	10/50/150/300V 10/50/250/500V 10/50/250/1000V	±5% full scale of range		±5% full scale of range	±5% full scale of range
DC Current	0.5/50/150mA 250mA 5/50/500mA	±4% full scale of range		±4% full scale of range	±4% full scale of range
Resistance	Rx1K Rx1 Rx10 Rx100 Rx1,Rx10,Rx1K 10M Max	±4% arc scale of length		±4% arc scale of length	±4% arc scale of length
Battery Test	1.5V/9V		✓	✓	✓
General					
Power Supply		1.5V Battery ,LR6 AA X 1	1.5V Battery ,LR6 AA X 1	1.5V Battery ,LR6 AA X 1	1.5V Battery ,LR6 AA X 2
Product Size	mm	93mm × 62mm × 32mm	109mm × 70mm × 33mm	149mm × 97mm × 43mm	149mm × 97mm × 43mm
	Inch	3.66" × 2.44" × 1.26"	1.55" × 2.75" × 1.30"	5.86" × 3.82" × 1.70"	5.86" × 3.82" × 1.70"
Product Weight		117g/0.31lb	140g/0.31lb	250g/0.55lb	250g/0.55lb
Category		CAT. III 300V	CE ETL	CE ETL	CE ETL





Model	HY1502C	HY1503C	HY1505C
Input voltage	115VAC, 60Hz/ 230VAC, 50Hz		
Output Voltage/Current	0-15V, 0-2A	0-15V, 0-3A	0-15V, 0-5A
Dimension(mm)	210*160*95		
Weight (Kg)	2-3		
Ripple&Noise	≤0.5mVrms		
Road&Effect	0.01%+3mV		
Display Accuracy	Voltage&Current: Analogue±2.5%		
Note	Linear mode		



Model	HY1502D	HY1503D	HY1505D	HY1802D	HY1803D
Input voltage	115VAC, 60Hz/ 230VAC, 50Hz				
Output Voltage/Current	0-15V, 0-2A	0-15V, 0-3A	0-15V, 0-5A	0-18V, 0-2A	0-18V, 0-3A
Dimension(mm)	210*160*95				
Weight (Kg)	2-3				
Ripple&Noise	≤0.5mVrms				
Road&Effect	0.01%+3mV				
Display Accuracy	Voltage: LED±1%+2digits Current:LED±2%+2digits				
Note	Linear mode				



Model	HY2402	HY3001
Input voltage	115VAC, 60Hz/ 230VAC, 50Hz	
Output Voltage/Current	0-24V, 0-2A	0-30V, 0-1A
Dimension(mm)	210*160*95	
Weight (Kg)	2	
Ripple&Noise	≤0.5mVrms	
Road&Effect	0.01%+3mV	
Display Accuracy	Voltage: LED±1%+2digits Current:LED±2%+2digits	
Note	Linear mode	



Model	HY3002C	HY3003C	HY3005C
Input voltage	115VAC, 60Hz/ 230VAC, 50Hz		
Output Voltage/Current	0-30V, 0-2A	0-30V, 0-3A	0-30V, 0-5A
Dimension(mm)	291*158*136		
Weight (Kg)	3-4.5		
Ripple&Noise	≤0.5mVrms		
Road&Effect	0.01%+3mV		
Display Accuracy	Voltage&Current: Analogue±2.5%		
Note	Linear mode		



Model	HY3002D	HY3003D	HY3005D	HY5002D	HY5003D
Input voltage	115VAC, 60Hz/ 230VAC, 50Hz				
Output Voltage/Current	0-30V, 0-2A	0-30V, 0-3A	0-30V, 0-5A	0-50V, 0-2A	0-50V, 0-3A
Dimension(mm)	291*158*136				
Weight (Kg)	3-4.5				
Ripple&Noise	≤0.5mVrms				
Road&Effect	0.01%+3mV				
Display Accuracy	Voltage: LED±1%+2digits Current:LED±2%+2digits				
Note	Linear mode				



Model	HY3002F-3	HY3003F-3	HY3005F-3
Input voltage	115VAC, 60Hz/ 230VAC, 50Hz		
Output Voltage/Current	2×0-30V; 2×0-2A; fixed output 5V, 3A	2×0-30V; 2×0-3A; fixed output 5V, 3A	2×0-30V; 2×0-5A; fixed output 5V, 3A
Dimension(mm)	365*265*164		
Weight (Kg)	7.5-9		
Ripple&Noise	≤0.5mVrms		
Road&Effect	0.01%+3mV		
Display Accuracy	Voltage: LED±1%+2digits Current:LED±2%+2digits		
Note	Linear mode		



Model	HY3002F-2	HY3003F-2	HY3005F-2
Input voltage	115VAC, 60Hz/ 230VAC, 50Hz		
Output Voltage/Current	2×0-30V, 2×0-2A	2×0-30V, 2×0-3A	2×0-30V, 2×0-5A
Dimension(mm)	365*265*164		
Weight (Kg)	7.5-9		
Ripple&Noise	≤0.5mVrms		
Road&Effect	0.01%+3mV		
Display Accuracy	Voltage: LED±1%+2digits Current:LED±2%+2digits		
Note	Linear mode		



Model	HY3002M	HY3003M	HY3005M	HY5002M	HY5003M
Input voltage	115VAC, 60Hz/ 230VAC, 50Hz				
Output Voltage/Current	0-30V, 0-2A	0-30V, 0-3A	0-30V, 0-5A	0-50V, 0-2A	0-50V, 0-3A
Dimension(mm)	291*158*136				
Weight (Kg)	3.75-4.5				
Ripple&Noise	≤0.5mVrms				
Road&Effect	0.01%+3mV				
Display Accuracy	Voltage: LED±1%+2digits Current:LED±2%+2digits				
Note	Microprocessor control lock-in Voltage Linear mode				



Model	HY3002M-2	HY3003M-2	HY3005M-2	HY3002M-3	HY3003M-3	HY3005M-3
Input voltage	115VAC, 60Hz/ 230VAC, 50Hz					
Output Voltage/Current	2×0-30V, 2×0-2A	2×0-30V, 2×0-3A	2×0-30V, 2×0-5A; fixed output 5V, 3A	2×0-30V, 2×0-3A; fixed output 5V, 3A	2×0-30V, 2×0-5A; fixed output 5V, 3A	2×0-30V, 2×0-5A; fixed output 5V, 3A
Dimension(mm)	365*265*164					
Weight (Kg)	6.5-9					
Ripple&Noise	≤0.5mVrms					
Road&Effect	0.01%+3mV					
Display Accuracy	Voltage&Current: Analogue±2.5%					
Note	Microprocessor control lock-in Voltage Linear mode					



Model	HY3010MR	HY3020MR
Input voltage	115VAC, 60Hz/ 230VAC, 50Hz	
Output Voltage/Current	0-30V; 0-10A with RS232	0-30V; 0-20A with RS232
Dimension(mm)	365*265*164	
Weight (Kg)	6.5-6	
Ripple&Noise	≤0.5mVrms	
Road&Effect	0.02%+3mV	
Display Accuracy	Voltage: LED±1%+2digits Current:LED±2%+2digits	
Note	Microprocessor control lock-in Voltage Linear mode	



Model	HY3002	HY3003	HY3005	HY5002	HY5003
Input voltage	115VAC, 60Hz/ 230VAC, 50Hz				
Output Voltage/Current	0-30V, 0-2A	0-30V, 0-3A	0-30V, 0-5A	0-50V, 0-2A	0-50V, 0-3A
Dimension(mm)	291*158*136				
Weight (Kg)	3-4.5				
Ripple&Noise	≤0.5mVrms				
Road&Effect	0.01%+3mV				
Display Accuracy	Voltage: LED±1%+2digits Current: LED±2%+2digits				
Note	Linear mode				



Model	HY3002-3	HY3003-3	HY3005-3
Input voltage	115VAC, 60Hz/ 230VAC, 50Hz		
Output Voltage/Current	2×0-30V, 2×0-2A; fixed output 5V, 3A	2×0-30V, 2×0-3A; fixed output 5V, 3A	2×0-30V, 2×0-5A; fixed output 5V, 3A
Dimension(mm)	365*265*164		
Weight (Kg)	7.5-11		
Ripple&Noise	≤0.5mVrms		
Road&Effect	0.01%+3mV		
Display Accuracy	Voltage: LED±1%+2digits Current: LED±2%+2digits		
Note	Linear mode		



Model	HY3002-2	HY3003-2	HY3005-2	HY5002-2	HY5003-2	HY5005-2
Input voltage	115VAC, 60Hz/ 230VAC, 50Hz					
Output Voltage/Current	2×0-30V, 2×0-2A	2×0-30V, 2×0-3A	2×0-30V, 2×0-5A	2×0-50V, 2×0-3A	2×0-50V, 2×0-5A	2×0-50V, 2×0-5A
Dimension(mm)	365*265*164					
Weight (Kg)	7.5-11					
Ripple&Noise	≤0.5mVrms					
Road&Effect	0.01%+3mV					
Display Accuracy	Voltage: LED±1%+2digits Current: LED±2%+2digits					
Note	Linear mode					



Model	HY3002D-3	HY3003D-3	HY3005D-3
Input voltage	115VAC, 60Hz/ 230VAC, 50Hz		
Output Voltage/Current	2×0-30V, 2×0-2A; fixed output 5V, 3A	2×0-30V, 2×0-3A; fixed output 5V, 3A	2×0-30V, 2×0-5A; fixed output 5V, 3A
Dimension(mm)	365*265*164		
Weight (Kg)	7.5-9		
Ripple&Noise	≤0.5mVrms		
Road&Effect	0.01%+3mV		
Display Accuracy	Voltage: LED±1%+2digits Current: LED±2%+2digits		
Note	Linear mode		



Model	HY3002D-2	HY3003D-2	HY3005D-2
Input voltage	115VAC, 60Hz/ 230VAC, 50Hz		
Output Voltage/Current	2×0-30V, 2×0-2A	2×0-30V, 2×0-3A	2×0-30V, 2×0-5A
Dimension(mm)	365*265*164		
Weight (Kg)	7.5-9		
Ripple&Noise	≤0.5mVrms		
Road&Effect	0.01%+3mV		
Display Accuracy	Voltage: LED±1%+2digits Current: LED±2%+2digits		
Note	Linear mode		



Model	HY5005E-2	HY3010E-2	HY6005E-2	HY5005E-3	HY3010E-3	HY6005E-3
Input voltage	115VAC, 60Hz/ 230VAC, 50Hz					
Output Voltage/Current	2×0-50V, 2×0-5A	2×0-30V, 2×0-10A	2×0-60V, 2×0-5A	2×0-50V, 2×0-5A; fixed output 5V, 3A	2×0-30V, 2×0-10A; fixed output 5V, 3A	2×0-50V, 2×0-3A; fixed output 5V, 3A
Dimension(mm)	365*256*164					
Weight (Kg)	5					
Ripple&Noise	≤0.5mVrms					
Road&Effect	0.02%+3mV					
Display Accuracy	Voltage: LED±1%+2digits Current: LED±2%+2digits					
Note	Switching mode					



Model	HY3002S-2	HY3003S-2	HY3005S-2	HY3002S-3	HY3003S-3	HY3005S-3
Input voltage	115VAC, 60Hz/ 230VAC, 50Hz					
Output Voltage/Current	2×0-30V, 2×0-2A	2×0-30V, 2×0-3A	2×0-30V, 2×0-5A	2×0-30V, 2×0-2A; fixed output 5V, 3A	2×0-30V, 2×0-3A; fixed output 5V, 3A	2×0-30V, 2×0-5A; fixed output 5V, 3A
Dimension(mm)	365*265*164					
Weight (Kg)	6.5-9					
Ripple&Noise	≤0.5mVrms					
Road&Effect	0.01%+3mV					
Display Accuracy	Voltage&Current: Analog±2.5%					
Note	Linear mode					



Model	HY3010E	HY3020E	HY3030E	HY3040E	HY3050E	HY3060E
Input voltage	115VAC, 60Hz/ 230VAC, 50Hz					
Output Voltage/Current	0-30V, 0-10A	0-30V, 0-20A	0-30V, 0-30A	0-30V, 0-40A	0-30V, 0-50A	0-30V, 0-60A
Dimension(mm)	365*265*164					
Weight (Kg)	3.5-8					
Ripple&Noise	≤0.5mVrms	≤1mVrms	≤3mVrms	≤3mVrms	≤5mVrms	≤10mVrms
Road&Effect	0.02%+3mV					
Display Accuracy	Voltage: LED±1%+2digits Current: LED±2%+2digits					
Note	Switching mode					



Model	HY5005E	HY5010E	HY5020E	HY5030E	HY2050E	HY1001E
Input voltage	115VAC, 60Hz/ 230VAC, 50Hz					
Output Voltage/Current	0-50V, 0-5A	0-50V, 0-10A	0-50V, 0-20A	0-50V, 0-30A	0-20V, 0-50A	0-100V, 0-1A
Dimension(mm)	365*265*164					
Weight (Kg)	3.5-8					
Ripple&Noise	≤0.5mVrms	≤3mVrms	≤3mVrms	≤5mVrms	≤5mVrms	≤5mVrms
Road&Effect	0.02%+3mV					
Display Accuracy	Voltage: LED±1%+2digits Current: LED±2%+2digits					
Note	Switching mode					



Model	HY10005E	HY10010E	HY2001E	HY2002E	HY3001E	HY3002E
Input voltage	115VAC, 60Hz/ 230VAC, 50Hz					
Output Voltage/Current	0-100V, 0-5A	0-100V, 0-10A	0-20V, 0-2A	0-200V, 0-2A	0-300V, 0-1A	0-300V, 0-2A
Dimension(mm)	365*265*164					
Weight (Kg)	3.5-8					
Ripple&Noise	≤10mVrms					
Road&Effect	0.02%+3mV					
Display Accuracy	Voltage: LED±1%+2digits Current: LED±2%+2digits					
Note	Switching mode					



Model	PS-28
Input voltage	90V~253V AC 50Hz/60Hz±2Hz
Output Voltage/Current	3,4,5, 6,7,5, 9,12V DC
Dimension(mm)	160*100*60
Weight (Kg)	0.525
Ripple&Noise	
Road&Effect	
Display Accuracy	
Note	Switching mode



Model	XP-581
Input voltage	115VAC, 60Hz/ 230VAC, 50Hz
Output Voltage/Current	5V,3A/12V,1A-12V,1A/2.0-20V,2A
Dimension(mm)	250*260*110
Weight (Kg)	4.5
Ripple&Noise	
Road&Effect	
Display Accuracy	Voltage: Analogue ±2.5%
Note	Linear mode



Model	XP-800
Input voltage	115VAC, 60Hz/ 230VAC, 50Hz
Output Voltage/Current	DC28V, 10A/AC40V, 7A/AC1, 20V, 2A
Dimension(mm)	260*320*130
Weight (Kg)	9.5
Ripple&Noise	
Road&Effect	
Display Accuracy	Voltage: LED ±1%+2digits Current: LED ±2%+2digits
Note	Linear mode



Model	HY1502
Input voltage	90V~253V AC, 50Hz/60Hz ±2Hz
Output Voltage/Current	1.5-15V, 0-2A
Dimension(mm)	155*150*80
Weight (Kg)	1
Ripple&Noise	≤10mVrms
Road&Effect	≤1.5%
Display Accuracy	Voltage: LED ±1%+2digits Current: LED ±2%+2digits
Note	Switching mode



Model	XR-38
Input voltage	115VAC, 60Hz/ 230VAC, 50Hz
Output Voltage/Current	13.8VDC, 3A, 5A surge
Dimension(mm)	160*150*100
Weight (Kg)	2.375
Ripple&Noise	
Road&Effect	≤5%
Display Accuracy	Voltage: LED ±1%+2digits Current: LED ±2%+2digits
Note	Linear mode



Model	HY152A
Input voltage	90V~253V AC 50Hz/60Hz±2Hz
Output Voltage/Current	1.5~15V/0-2A
Dimension(mm)	155*150*80
Weight (Kg)	0.61
Ripple&Noise	≤5mVrms
Road&Effect	≤1.5%
Display Accuracy	Voltage: Analogue ±2.5%
Note	Switching mode



Model	HY2402L	HY2403L	HY1803L
Input voltage		115VAC, 60Hz/ 230VAC, 50Hz	
Output Voltage/Current	0~24V/0-2A	0~24V/0-3A	0~18V/0-3A
Dimension(mm)		105*80*30	
Weight (Kg)		4.7	
Ripple&Noise		≤0.5mVrms	
Road&Effect		0.01%+3mV	
Display Accuracy		Voltage: LED ±1%+2digits Current: LED ±2%+2digits	
Note		Linear mode	



Model	HY3603A	HY3005A	HY5003A
Input voltage		115VAC, 60Hz/ 230VAC, 50Hz	
Output Voltage/Current	0~36V/0-3A	0~30V/0-5A	0~50V/0-3A
Dimension(mm)		105*80*30	
Weight (Kg)		1.67	
Ripple&Noise		≤0.3mVrms	
Road&Effect		0.02%+3mV	
Display Accuracy		Voltage: LED ±1%+2digits Current: LED ±2%+2digits	
Note		Switching mode	



Model	Mini Power Supply
Input voltage	90V~253V AC, 50Hz/60Hz ±2Hz
Output Voltage/Current	3.5~15V/0-1.5A
Dimension(mm)	80*84*30
Weight (Kg)	0.4
Ripple&Noise	
Road&Effect	
Display Accuracy	
Note	Switching mode

ACCESSORIES

T3009/T3009C/T3016/T3016C

TEST LEAD

T3009



T3009C



Specifications	T3009
Probe Length:	148mm/Φ10.2mm
Tip:	19mm/Φ2mm
Plug:	Φ4mm Cross Plug, Right Angle Type
Wire:	UL 1303 18AWG, Length 1000mm, Red&Black
Safety Class:	IEC/EN61010-31, CAT.III 1000V, 10A

CE
EMC
LVD

Specifications	T3009C
Probe Length:	143mm/Φ10.2mm
Tip:	4mm/Φ2mm
Plug:	Φ4mm Cross Plug, Right Angle Type
Wire:	UL 1803 18AWG, Length 1000mm, Red&Black
Safety Class:	IEC/EN61010-31, CAT.III 1000V, 10A

T3016



T3016



Specifications	T3016
Probe Length:	120mm/Φ9mm
Tip:	15mm/Φ2mm
Plug:	Φ4mm Cross Plug, Right Angle Type
Wire:	UL 1803 20AWG, Length 600mm, Red&Black
Safety Class:	IEC/EN61010-31, CAT.III 1000V, 10A

CE
EMC
LVD

Specifications	T3016C
Probe Length:	120mm/Φ9mm
Tip:	4mm/Φ2mm
Plug:	Φ4mm Cross Plug, Right Angle Type
Wire:	UL 1803 20AWG, Length 800mm, Red&Black
Safety Class:	IEC/EN61010-31, CAT.III 1000V, 10A

ACCESSORIES

T3030/T3030C/T3033

TEST LEAD

T3030



T3030C



Specifications	T3030
Probe Length:	143mm/Φ9mm
Tip:	16mm/Φ2mm
Plug:	Φ4mm Cross Plug, Right Angle Type
Wire:	UL 1803 18AWG, Length 800mm, Red&Black
Safety Class:	IEC/EN61010-31, CAT.III 1000V, 10A

CE
EMC
LVD

Specifications	T3030C
Probe Length:	143mm/Φ9mm
Tip:	4mm/Φ2mm
Plug:	Φ4mm Cross Plug, Right Angle Type
Wire:	UL 1803 18AWG, Length 600mm, Red&Black
Safety Class:	IEC/EN61010-31, CAT.III 1000V, 10A

T3033



Specifications	T3033
Probe Length:	117mm/Φ9mm
Tip:	14mm/Φ2mm
Plug:	Φ4mm Cross Plug, Right Angle Type
Wire:	UL 1803 20AWG, Length 635mm, Red&Black
Safety Class:	IEC/EN61010-31, CAT.II 1000V, 10A

CE
EMC
LVD