

# MASTECH®

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# 2024

# CATALOGUE

[www.mastech-group.com](http://www.mastech-group.com)

CATALOGUE

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## About **MASTECH®**

At **MASTECH** we focus on providing the highest quality, innovative measuring instruments for the electrical market, along with the best service to our customers.

From digital multimeters and clamp meters to voltage testers, plug testers and all ranges of Environmental testers, our product families have been developed to meet the requirements of the construction, DIY and industrial sectors.



## Test and measurement equipment

**I. For industrial Environments:** we develop a range of measuring instruments with specific features and high precision, ensuring reliability and accuracy.

**II. For the residential sector:** **MASTECH** instruments meet all requirements relating to measuring and testing of electrical values, enabling safety checks on installations and appliances in homes and other buildings.

**III. For Environmental measurement:** **MASTECH** offers a wide range of solutions, with measuring instruments for temperature, moisture and wind speed to light, sound, gas and distance.



### Digital Multimeter



Spec	MS830M	MS830T	MS830N	MS850A	MS850B
Model	MS830M	MS830T	MS830N	MS850A	MS850B
Page	20	21	22	23	24
Safety Rating	CAT III 600V	CAT III 600V	CAT III 600V	CAT III 600V	CAT III 600V
Resistance	200MΩ	200MΩ	20MΩ	200MΩ	20MΩ
DCV	600V	600V	600V	600V	600V
ACV	600V	600V	600V	600V	600V
V-Lowz	-	-	-	-	-
DCA	10A	10A	10A	10A	10A
ACA	-	10A	-	10A	10A
Frequency	400Hz	1000Hz	400Hz	1000Hz	1000Hz
Capacitance	-	200uF	-	-	-
°C	-	-20°C~1000°C	-	-	-20°C~1000°C
°F	-	-4°F~1832°F	-	-	-4°F~1832°F
Battery Test	-	1.5V, 3V, 9V	1.5V, 3V, 9V	1.5V, 3V, 9V	1.5V, 3V, 9V
Frequency	-	2KHz	-	-	-
Diode	✓	✓	✓	✓	✓
Transistor Test	-	-	✓	✓	-
Buzzer	✓	✓	✓	✓	✓
Continuity	✓	✓	✓	✓	✓
Input Impedance	≥10MΩ	≥10MΩ	≥10MΩ	≥10MΩ	≥10MΩ
LED	-	-	✓	✓	✓
Bar Graph	-	-	-	-	-
V.F.C	-	-	-	-	-
NCV / Live	-	✓	✓	✓	✓
Max Display	2000	2000	2000	2000	2000
True RMS	-	✓	-	✓	✓
Duty Cycle	-	-	-	-	-
Square Wave Output	-	-	-	-	-
Max / Min	-	-	-	-	✓
REL	-	-	-	-	✓
Relative	-	-	-	-	✓
Low Impedance	-	-	-	-	-
Overload Protection	✓	✓	✓	✓	✓
Unit Display	✓	✓	✓	✓	✓
Auto Power Off	✓	✓	✓	✓	✓
Data Hold	✓	✓	✓	✓	✓
Backlight	✓	✓	✓	✓	✓
Dual Backlight	-	-	-	-	-
Flashlight	-	-	-	✓	✓
Battery	1.5V AAA*2	1.5V AAA*2	1.5V AAA*2	1.5V AAA*2	1.5V AAA*2

## Fast Selection Charts Digital Multimeter



Spec	MS850C	MS850D	MS8239D+	MS8239T	MS890A
Model	MS850C	MS850D	MS8239D+	MS8239T	MS890A
Page	25	26	27	28	29
Safety Rating	CAT III 600V	CAT III 600V	CAT III 600V	CAT III 600V	CAT IV 600V CAT III 1000V
Resistance	40MΩ	60MΩ	40MΩ	40MΩ	200MΩ
DCV	600V	600V	600V	600V	1000V
ACV	600V	600V	600V	600V	750V
V-Lowz	-	-	-	-	-
DCA	10A	10A	10A	10A	10A
ACA	10A	10A	10A	10A	10A
Frequency	1000Hz	1000Hz	1000Hz	1000Hz	400Hz
Capacitance	100mF	100mF	40.00mF	40.00mF	200uF
°C	-	-20°C~1000°C	-	-20°C~750°C	-20°C~1000°C
°F	-	-4°F~1832°F	-	-4°F~1832°F	-
Battery Test	1.5V, 3V, 9V	-	-	-	-
Frequency	10MHz	10MHz	10MHz	10MHz	200KHz
Diode	✓	✓	✓	✓	✓
Transistor Test	✓	✓	-	-	✓
Buzzer	✓	✓	✓	✓	✓
Continuity	✓	✓	✓	✓	✓
Input Impedance	≥10MΩ	≥10MΩ	≥10MΩ	≥10MΩ	≥10MΩ
LED	✓	✓	✓	✓	-
Bar Graph	-	-	-	-	-
V.F.C	-	-	-	-	-
NCV / Live	✓	✓	✓	✓	-
Max Display	4000	6000	4000	4000	2000
True RMS	✓	✓	✓	✓	✓
Duty Cycle	0.1%~99.9%	0.1%~99.9%	-	-	-
Square Wave Output	-	-	-	-	-
Max / Min	✓	✓	✓	✓	-
REL	✓	✓	✓	✓	-
Relative	✓	✓	✓	✓	-
Low Impedance	-	-	-	-	-
Overload Protection	✓	✓	✓	✓	✓
Unit Display	✓	✓	✓	✓	-
Auto Power Off	✓	✓	✓	✓	✓
Data Hold	✓	✓	✓	✓	✓
Backlight	✓	✓	✓	✓	-
Dual Backlight	-	-	-	-	-
Flashlight	✓	✓	-	-	✓
Battery	1.5V AAA*2	1.5V AAA*2	1.5V AAA*2	1.5V AAA*2	9V

# Digital Multimeter



Spec				
Model	MS890B	MS890C+	MS890D+	MS8118A
Page	30	31	32	33
Safety Rating	CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V	CAT IV 600V
Resistance	40MΩ	60MΩ	40MΩ	99.99MΩ
DCV	1000V	1000V	1000V	999.9V
ACV	750V	750V	750V	750V
V-Lowz	-	600V	-	-
DCA	20A	10A	20A	9.999A
ACA	20A	10A	20A	9.999A
Frequency	1000Hz	1000Hz	1000Hz	-
Capacitance	40mF	60mF	40mF	99.99mF
°C	-	-20°C~1000°C	-20°C~1000°C	-20°C~1000°C
°F	-	0°F~1800°F	0°F~1800°F	0°F~1832°F
Battery Test	-	-	-	-
Frequency	1KHz	10MHz	1KHz	9.999MHz
Diode	✓	✓	✓	✓
Transistor Test	✓	-	✓	-
Buzzer	✓	✓	✓	✓
Continuity	✓	✓	✓	✓
Input Impedance	≥10MΩ	≥10MΩ	≥10MΩ	≥10MΩ
LED	✓	✓	✓	✓
Bar Graph	-	✓	-	✓
V.F.C	-	✓	-	-
NCV / Live	✓	✓	✓	✓
Max Display	4000	6000	4000	9999
True RMS	✓	✓	✓	✓
Duty Cycle	-	✓	-	✓
Square Wave Output	-	✓	-	-
Max / Min	-	-	-	✓
REL	✓	✓	✓	✓
Relative	✓	✓	✓	✓
Low Impedance	-	✓	-	-
Overload Protection	✓	✓	✓	✓
Unit Display	✓	✓	✓	✓
Auto Power Off	✓	✓	✓	✓
Data Hold	✓	✓	✓	✓
Backlight	✓	✓	✓	-
Dual Backlight	✓	-	✓	-
Flashlight	✓	✓	✓	✓
Battery	1.5V AA*2	1.5V AA*2	1.5V AA*2	1.5V AAA*4

Fast Selection Charts  
**Digital Clamp Meters**



Spec				
Model	MS2003A	MS2003B	MS2103A	MS2103B
Page	35	36	37	38
Safety Rating	CAT III 600V	CAT III 600V	CAT III 600V	CAT III 600V
Resistance	40MΩ	60MΩ	60MΩ	40MΩ
DCV	600V	600V	600V	600V
ACV	600V	600V	600V	600V
DCA	-	-	200A	200A
ACA	200A	200A	200A	200A
Frequency	1000Hz	1000Hz	1000Hz	1000Hz
Capacitance	4mF	60mF	60mF	4mF
°C	-20°C~1000°C	-20°C~1000°C	-	-20°C~1000°C
°F	-4°F~1832°F	-4°F~1832°F	-	-4°F~1832°F
Frequency	10MHz	1KHz	1MHz	10MHz
Diode	✓	✓	✓	✓
Continuity	✓	✓	✓	✓
Input Impedance	≥10MΩ	≥10MΩ	≥10MΩ	≥10MΩ
Max Jaw Opening	19mm	19mm	19mm	19mm
LED	✓	✓	✓	✓
NCV / Live	✓	✓	✓	✓
Max Display	4000	6000	6000	4000
True RMS	✓	✓	✓	✓
Duty Cycle	-	✓	-	✓
Inrush Current	-	-	-	-
MAX / MIN	✓	-	-	✓
Relative	✓	-	✓	✓
600mA Fuse	-	-	✓	-
Auto Identify ACV / DCV	-	✓	-	-
LPF(ACV)	-	-	-	-
V.F.C	-	✓	-	-
Overload Protection	✓	✓	✓	✓
Unit Display	✓	✓	✓	✓
Auto Power Off	✓	✓	✓	✓
Data Hold	✓	✓	✓	✓
Backlight	✓	✓	✓	✓
Flashlight	-	-	-	-
Battery	1.5V AAA*2	1.5V AAA*2	1.5V AAA*2	1.5V AAA*2



## Digital Clamp Meters



Spec					
Model	MS2109B	MS2109C	MS2109D	MS2008C	MS2008D
Page	39	40	41	42	43
Safety Rating	CAT III 600V	CAT III 600V	CAT III 600V	CAT II 600V CAT III 300V	CAT II 600V CAT III 300V
Resistance	20MΩ	40MΩ	60MΩ	60MΩ	60MΩ
DCV	600V	600V	1000V	600V	600V
ACV	600V	600V	750V	600V	600V
DCA	-	-	1000A	600A	600A
ACA	600A	600A	1000A	600A	600A
Frequency	60Hz	1000Hz	1000Hz	1000Hz	1000Hz
Capacitance	-	10mF	10mF	60mF	60mF
°C	-	-20°C~1000°C	-20°C~1000°C	-50°C~1000°C	-50°C~1000°C
°F	-	-0°F~1800°F	-0°F~1800°F	-58°F~1832°F	-58°F~1832°F
Frequency	-	10MHz	10MHz	60KHZ	60KHZ
Diode	✓	✓	✓	✓	✓
Continuity	✓	✓	✓	✓	✓
Input Impedance	≥10MΩ	≥10MΩ	≥10MΩ	≥10MΩ	≥10MΩ
Max Jaw Opening	23mm	23mm	23mm	28mm	28mm
LED	✓	✓	✓	✓	✓
NCV / Live	✓	✓	✓	✓	✓
Max Display	2000	4000	6000	6000	6000
True RMS	-	✓	✓	✓	✓
Duty Cycle	-	✓	✓	✓	✓
Inrush Current	-	-	✓	-	-
MAX / MIN	-	-	-	✓	✓
Relative	-	✓	✓	✓	✓
600mA Fuse	-	-	-	-	-
Auto Identify ACV / DCV	-	-	-	-	-
LPF(ACV)	✓	-	-	✓	-
V.F.C	-	-	-	-	✓
Overload Protection	✓	✓	✓	✓	✓
Unit Display	✓	✓	✓	✓	✓
Auto Power Off	✓	✓	✓	✓	✓
Data Hold	✓	✓	✓	✓	✓
Backlight	✓	✓	✓	✓	✓
Flashlight	✓	✓	✓	-	-
Battery	1.5V AAA*3	1.5V AAA*3	1.5V AAA*3	1.5V AAA*2	1.5V AAA*2

Fast Selection Charts

**Wire Tracker Transmitter**



Spec		
Model	MS6815A	MS6815B
Page	45	46
Analog wire tracking	✓	-
Digital wire tracking	-	✓
Wire alignment	✓	✓
Continuity test	LED indication	LED indication
Circuit voltage test	LED indication	LED indication
Telephone line status	LED indication	LED indication
POE switch tracking	-	✓
Adjustable sensitivity	-	Adjustable within 0-5cm
Adjustable volume	✓	-
Flashlight	Receiver with flashlight	Receiver with flashlight
Display mode	LED indication	LED indication
Output signal level	About 5Vp-p	About 5Vp-p
Max working current	Emitters60mA / Receivers80mA	Emitters60mA / Receivers80mA
Transmitting signal distance	≤3km	≤3km
Low battery indication	Prompt when less than 7.2V	Prompt when less than 7.2V
Battery	2*6F22 9V Battery	2*6F22 9V Battery

### Infrared Thermometer



Spec					
Model	MS6523A	MS6523B	MS6523C	MS6525A	MS6525B
Page	47	48	49	50	51
Range	-50°C~500°C -58°F~932°F	-50°C~700°C -58°F~1292°F	-50°C~900°C -58°F~1652°F	-32°C~1100°C -26°F~2012°F	-32°C~1400°C -26°F~2552°F
Accuracy	0°C~500°C ±(1.5%+1°C) 32°F~932°F ±(1.5%+5°F)	0°C~700°C ±(1.5%+1°C) 32°F~1292°F ±(1.5%+5°F)	0°C~900°C ±(1.5%+1°C) 32°F~1652°F ±(1.5%+5°F)	-32~100°C (±2°C) -26~212°F (±4°F) 100~800°C (±2%) 212~1472°F (±2%)	800°C above (±3%) 1472°F above (±3%)
Repeatability	±0.5% / ±1°C (2°F)			±1% / ±1°C (2°F)	
Display resolution	0.1°C (0.1°C)			-32°C~1000°C (0.1°C) / 1000 above 1°C	
Response time	Less than 500ms			<500ms (95% of reading)	
Spectral response	8µm~14µm			8µm~14µm	
Emissivity	0.1~1.00 adjustable (step size 0.01)			0.1 to 1.00 adjustable in steps of 0.01 (default 0.95)	
Measuring object distance ratio	12:1			50:1	
Laser aiming	Less than 1mW 650nm laser grade: class 2			Wavelength 620~690nm, output less than 1mW, laser grade: class 2	
°C/°F Conversion	✓			✓	
Display mode	VA Color Screen			VA Color Screen	
Screen Size	30*27mm			41*39mm	
Overrange prompt	"HI" or "LO"			"HI" or "LO"	
Operating temperature	0°C~50°C (32°F~122°F)			0°C~50°C (32°F~122°F)	
Operating humidity	10~95%RH Non condensing			≥95%RH Non condensing	
Storage temperature	-20°C~60°C Not including batteries			-20°C~60°C (-4°F~140°F)	
Backlight	✓			✓	
Battery	1.5V*2 AAA			9V 6F22	

**Fast Selection Charts**  
**Thermomrter**



Spec					
Model	MS6502	MS6503	MS6512A	MS6512B	MS6512C
Page	52	53	54	55	56
Type	Single Channel	Dual Channel	Single Channel	Dual Channel	Four Channel
Temperature Difference	-	✓	-	✓	-
Measuring Range	K-type: -200°C~1372°C (-328°F~2501°F), J-type: -200°C~1372°C (-328°F~2501°F)		K-type: -200°C~1372°C (-328°F~2501°F), J-type: -200°C~1372°C (-328°F~2501°F)		
Resolution	(-100°C~-200°C) 1°C / 1°F, (-99°C~-999.9°C) 0.1°C / °F, (>1000°) 1°C / °F		(-99°C~-999.9°C) 0.1°C / °F, (-100°C~-200°C, ≥1000°C) 1°C / °F		
Accuracy	±(0.2%+0.7°C)		±(0.2%+0.7°C)		
Upper Limit Alarm	Default value: 1300°C		Default value: 1300°C		
Lower Limit Alarm	Default value: -200°C		Default value: -200°C		
ADJ Compensation	-9°C~-9°C		-9°C~-9°C		
USB Connection	-	-	-	-	✓
Data logger	-	-	9999 groups, Only store thermocouple temp. data (not support ambient temp, data)		
Ambient Temp.	0°C~60°C	-	0°C~60°C	-	-
Accuracy	±2°C	-	±2°C	-	-
Recoording interval time setting	-	-	H:M / M:S		
Bracket num	-	-	¼inch nut		
Sampling Rate	1 time/s		1 time/s		
Auto Power Off	10min		10min (can be canceled manually)		
Working Environment	-10°C~50°C, max 80%RH, indoor altitude <2000m		-10°C~50°C, max 80%RH, indoor altitude <2000m		
Storage Environment	-10°C~50°C, max 70%RH (Battery removed)		-10°C~50°C, max 70%RH (Battery removed)		
K Type Temp. probe	Random configuration probe Measurement range: -20°C~200°C (Accuracy ±2.5%)		Random configuration probe Measurement range: -50~300°C (Accuracy ±1.5%)		
Max / Min	✓		✓		
Data Hold	✓		✓		
Backlight	✓		-		
Battery	1.5V AAA*3		1.5V AA*3		

## Thermo-Hygrometer



Spec	
Model	MS6509
Page	57
LCD display	✓
Backlight	✓
Auto Power Off	✓
Max / Min	✓
Data Hold	✓
Temperature Range	0°C~60°C/ 32°F~140°F
Temperature Accuracy	0.1°C/ 0.1°F
Humidity	0%~100%RH
Humidity Resolution	0.1%RH
Measuring Display	4 digits, max 9999
Battery	3*1.5V AAA

## Moisture Meter



Spec	
Model	MS6901
Page	58
LCD display	✓
Backlight	✓
Auto Power Off	✓
Hi / LOW	✓
Data Hold	✓
Measuring Range	0~54.8%RH
Resolution	0.1%RH
Humidity	0%~100%RH
Measuring Display	4 digits, max 1999
Test Probe	M3 metric tooth test Pin, external hexagon 5mm
Accuracy	±1%
Overload	Hi or LO
Ambient Temp.	0~60°C
Sampling Rate	2 time/s
Auto Power Off	10min (can be canceled manually)
Working Environment	-10°C~50°C, max 80%RH, indoor altitude <2000m
Storage Environment	-10°C~50°C, max 70%RH (battery removed)
Battery	3*1.5V AAA

**Fast Selection Charts**  
**Digital Light Meter**



Spec			
Model	MS6612A	MS6613A	MS6613B
Page	59	60	61
Measuring Range	0~200KLUX, 0FC~20KFC		0.1~200000LUX
Measuring Level	-		999.9/99999/19999*10 LUX 99.9/999.9/19999 FC
Accuracy	±3%rdg±8dgts (<10000LUX), ±4%rdg±10dgts (>10000LUX)	±(3%+5LUX) (calibrated under the standard incandescent lamp at color temperature 2856°F) ±(6%+5LUX) other visible light cosine angle deviation feature 30°±2%, 60°±6%, 80°±25%	
Resolution	-		LUX: < 1000:0.1LUX, ≥1000:1LUX; FC: < 100:0.1FC, <1000:0.1LUX, ≥1000:1FC
Display	4 digits, max 9999		5 digits, max 99999
Ambient Temp.	0°C~60°C		0°C~60°C
Accuracy	±2°C		±2°C
Light sensor	-		Digital Light Probes and Filters
Sampling Rate	500ms		8time/s
Incident angle	-		120°
Repeated test deviation	-		±2%
Spectral range	-		400~700nm
USB connection	-		✓
Auto power off	✓	15min(can be canceled manually)	
Screen size	-		53*44mm
Working Environment	-20°C~60°C / -4°F~140°F, 10RH%~90RH%		-10°C~50°C, max 80%RH, Indoor altitude < 2000m
Storage Environment	-20°C~60°C / -4°F~140°F, 10RH%~75RH%		-10°C~50°C, max 70%RH (Battery removed)
Max / Min	✓	✓	✓
Data Hold	✓	✓	✓
Backlight	✓	✓	✓
Battery	3*1.5V AAA		3*1.5V AA

# Digital Anemometer



Spec			
Model	MS6652C	MS6253A	MS6253B
Page	62	63	64
Measurement Method	-	Integral Type	
Air Velocity Range	0.4~30.0m/s 1.4~108km/h 80~5900ft/m 0.9~67.0mph 0.8~58.0knots	0.06~45.0m/s 1.0~162.0Km/h 10~8858ft/m 1.0~147.6ft/s 1.0~100.6mile/h 0.1~84.48Kknots	
Accuracy	±(3.0%+0.3m/s)	±(2% reading+0.2)	
Resolution	0.1	0.01/0.1/1	
Bft	0~12	0~12	
Air Temp. Range	0°C~60°C (32°F~140°F)	0°C~45°C (32.0°F~113.0°F)	
Accuracy	±1.5°C (±2.7°F)	±2°C (±3.6°F)	
Air Volume measurement	CMM 0~9999 CFM 0~9999	CFM 0~9999ft <sup>3</sup> / min CMM 0~9999m <sup>3</sup> / min CMS 0~9999m <sup>3</sup> / s	
Resolution	0.1	0.1/1	
Display	4 digits, max 9999	4 digits, max 9999	
Sensor	Magnetic induction wind speed sensor and negative temperature coefficient temperature sensor	Infrared Laser Tube Cutting Method	
Sampling Rate	0.5sec	2time/s	
Repeated test deviation	-	±2%	
Data logger	-	1000groups	
USB connection	-	-	✓
Synchronous update	-	Refer to PC information for program update	
Auto power off	✓	15min(can be canceled)	
Screen size	-	53*44mm	
Working Environment	0°C~40°C, max 80%RH	-10°C~50°C, max 80%RH, Indoor altitude < 2000m	
Storage Environment	-10°C~60°C, max 70%RH	-10°C~50°C, max 70%RH (Battery removed)	
Max / Min	✓	✓	
Data Hold	✓	✓	
Backlight	✓	-	
Battery	3*1.5V AAA	3*1.5V AA	

**Fast Selection Charts**  
**Digital Sound Level Meter**



Spec			
Model	MS6702A	MS6703A	MS6703B
Page	65	66	67
Microphone	1/2 inch		1/2 inch
Range	35~135dB	30~70dB, 60~90dB, 80~110dB, 100~130dB	
Accuracy	±2.0dB	±1.5dB (sound pressure reference 94dB@1kHz)	
Frequency Weighting	A	A / C	A / C / Z
Time Weighting	FAST: 125ms/SLOW: 1s		FAST: 0.125 Sec/SLOW: 1 Sec
Sampling Rate	-		2time/s
Frequency	31.5Hz~8KHz		31.5Hz~8KHz
Analog Bar	-		One scale represents 1dB
Display	4 digit		4 digit, max1999
Ambient Temperature	0°C~60°C/32°F~140°F, ±1.5°C (±1.8°F)		0°C~60°C, ±2°C
Overload	OVER "Hi", UNDER "LO"		OVER "Hi", UNDER "LO"
Analog Signal Output	-	-	AC / DC signal is output by the headphone jack socket: AC=100Vrms, DC=10mV/db
USB Connection	-	-	✓
Data Logger	-	-	1999groups
Synchronous Update	-	Refer to PC information for program update	
Auto Power Off	-	15min(can be canceled)	
Working Environment	0°C~40°C, 10RH%~80RH%	-10°C~50°C, max 80%RH, indoor altitude < 2000m	
Storage Environment	-10°C~60°C, 10RH%~70RH%	-10°C~50°C, max 70%RH (battery removed)	
Max / Min	✓		✓
Data Hold	✓		✓
Backlight	✓		-
Battery	3*1.5V AAA		3*1.5V AA



# Gas Leak Detector



Spec		
Model	MS6311A	MS6311B
Page	68	69
Range	%LEL: 0~20% PPM: 0~9999PPM	
Resolution	-	%LEL: 0~20.0%(0.1) PPM: 0~999PPM(0.1) 1000~9999PPM(1)
Accuracy	-	±10%F.S.(CH4)
Display	Analog bar	Analog bar and value
Sensitivity	50PPM (CH4)	
Alarm mode	Display, sound & light alarm	
Auto zero	Auto-zero during warm-up process(in clean air)	
Sensor	Semiconductor sensor	
Ambient Temp.	-	0°C~60°C, ±2°C
Auto power off	10 mins(can be canceled manually)	
Detectable gas	Acetone,acetylene,alcohol, ammonia, benzene,butane, ethanol,oxirane, gasoline, hexane, hydrogen, methane, naphtha, natural gas, paint thinner, propane, solvent and etc.	
Working Environment	-10°C~50°C, max 80%RH, indoor altitude <2000m	
Storage Environment	-10°C~50°C, max 70%RH	
Hi / Mid / Low	✓	-
Data Hold	-	-
Backlight	-	-
Battery	3.7V/1000mAH LI-IO, USB micro interface (DC 5V/1A)	

## Fast Selection Charts Socket Tester



Spec				
Model	MS6861A	MS6862A	MS6862B	MS6863A
Page	70	71	72	73
AC Voltage	175~250V/50~60Hz			
Accuracy	±(2.0%+2)			
Working Temperature	0°C~40°C			
Working Humidity	20%~75%RH			
Storage Temperature	-10°C~50°C			
Storage Humidity	20%~80%RH			
Altitude	≤2000 meters			
Leakage Test Current	>30mA			
Leakage Test Voltage	AC 220V±20V			
Voice Broadcast	-	✓	✓	-
LCD Panel diagram	-	-	-	✓
Socket Specification	CHN plug, UK plug, EU plug, US plug			

## Tachometer



Spec	
Model	MS6208C
Page	74
Range	2.5RPM~99999RPM(rpm/min)
Resolution	2.5RPM~999RPM(0.1RPM) 1000RPM above(1RPM)
Accuracy	±(0.05% reading+1 digit)
Display	6digits, max 999999
Ambient Temp.	0~60°C, ±2°C
Effective Distance	50mm~500mm
Sampling Rate	Approx. 0.8s(over 60rpm/min)
Working Environment	-10°C~50°C, max 80%RH, indoor altitude <2000m
Storage Environment	-10~50°C, max 70%RH (battery removed)
Auto power off	✓
Max/Min	✓
Data Hold	✓
Backlight	✓
Battery	3*1.5V AAA

Fast Selection Charts

**Laser Distance Meter**



Spec	MS6406A	MS6408A	MS6410A	MS6406B	MS6408B	MS6410B
Model	MS6406A	MS6408A	MS6410A	MS6406B	MS6408B	MS6410B
Page	75	76	77	78	79	80
Range	60m	80m	100m	60m	80m	100m
Accuracy	±2.0mm	±2.0mm	±2.0mm	±2.0mm	±2.0mm	±2.0mm
Measurement Unit	m, ft, in	m, ft, in	m, ft, in	m, ft, in	m, ft, in	m, ft, in
Area Unit	m <sup>2</sup> , ft <sup>2</sup> , in <sup>2</sup>	m <sup>2</sup> , ft <sup>2</sup> , in <sup>2</sup>	m <sup>2</sup> , ft <sup>2</sup> , in <sup>2</sup>	m <sup>2</sup> , ft <sup>2</sup> , in <sup>2</sup>	m <sup>2</sup> , ft <sup>2</sup> , in <sup>2</sup>	m <sup>2</sup> , ft <sup>2</sup> , in <sup>2</sup>
Laser Type	620~690nm	620~690nm	620~690nm	620~690nm	620~690nm	620~690nm
Laser Class	Class II, <1mW	Class II, <1mW	Class II, <1mW	Class II, <1mW	Class II, <1mW	Class II, <1mW
Single Measurement	0.25s	0.25s	0.25s	0.25s	0.25s	0.25s
Working Temp.	0~+40°C	0~+40°C	0~+40°C	0~+40°C	0~+40°C	0~+40°C
Storage Temp.	-10~+50°C	-10~+50°C	-10~+50°C	-10~+50°C	-10~+50°C	-10~+50°C
Measurement Per Battery Pack	Approx. 5000	Approx. 5000	Approx. 5000	Approx. 1000	Approx. 1000	Approx. 1000
Automatic Laser Shut Down	After 30s	After 30s	After 30s	After 30s	After 30s	After 30s
Automatic Device Shut Down	After 180s	After 180s	After 180s	After 180s	After 180s	After 180s
Area / Volume Measurement	✓	✓	✓	✓	✓	✓
Indirect Pythagorean Theorem Measureme	✓	✓	✓	✓	✓	✓
Addition / Subtraction	✓	✓	✓	✓	✓	✓
Continuous	✓	✓	✓	✓	✓	✓
Multi-line Display	✓	✓	✓	✓	✓	✓
MAX / MIN	✓	✓	✓	✓	✓	✓
Voice Broadcast	-	-	-	✓	✓	✓
Dust & Water Splash Rating	-	-	-	-	-	-
Electronic Level Display	-	-	-	✓	✓	✓
Data Clearance	✓	✓	✓	✓	✓	✓
Error Codes	✓	✓	✓	✓	✓	✓
Battery Status	✓	✓	✓	✓	✓	✓
Data Storage	99 Groups	99 Groups	99 Groups	99 Groups	99 Groups	99 Groups
Battery	3*1.5V AAA	3*1.5V AAA	3*1.5V AAA	3*1.5V AAA	3*1.5V AAA	3*1.5V AAA



ELECTRICAL

# DIGITAL MULTIMETER

Digital Multimeter

# MS830M



- Frequency: 400Hz
- Diode Test
- Continuity Check
- Max Display: 2000
- CAT III 600V
- Overload Protection
- Unit Display
- Auto Power Off
- Data Hold
- Backlight
- Battery: 1.5V AAA\*2

MS830M

Spec	Range	Accuracy
Resistance	200Ω, 2KΩ, 20KΩ, 200KΩ	±(1.0%+5)
	20MΩ	±(1.2%+8)
	200MΩ	±(5.0%+10)
DCV	200mV, 2V	±(0.5%+3)
	20V, 200V	±(0.8%+3)
	600V	±(0.8%+5)
ACV	200V, 600V	±(1.0%+10)
DCA	200uA, 2mA, 20mA	±(1.0%+5)
	200mA	±(2.0%+5)
	10A	±(3.0%+5)

Packaging Information	
Accessories	Test leads, Manual, 1.5V*2 AAA Battery
Dimension	133*71*47mm
Weight	190g
Quantity	40
Color Box	112*54*155mm
Carton Box	570*335*250mm
SKU No.	MS830M CBGLO
EAN Code	8435394788272

Digital Multimeter - True RMS

# MS830T



- Frequency: 1000Hz
- True RMS
- Overload Protection
- Unit Display
- Diode Test
- Continuity Check
- Non-Contact Voltage (NCV) Detection / Live Wire(Live) Recognition
- Max Display: 2000
- CAT III 600V
- Auto Power Off
- Data Hold
- Backlight
- Battery: 1.5V AAA\*2

MS830T

Spec	Range	Accuracy	Spec	Range	Accuracy
Resistance	200Ω, 20KΩ, 2MΩ	±(1.0%+5)	Capacitance	20nF, 2μF	±(4.0%+15)
	200MΩ	±(5.0%+10)		200μF	±(4.0%+20)
DCV	200mV, 20V	±(0.5%+3)	°C	-20°C~0°C	±4°C
	600V	±(0.8%+5)		0°C~400°C	±(2.0%+3)
ACV	200mV, 20V, 600V	±(1.0%+10)	400°C~1000°C	±(3.0%+3)	
	200μA, 20mA	±(1.0%+5)	-4°F~50°F	±5°F	
DCA	200mA	±(2.0%+5)	°F	50°F~750°F	±(2.0%+5)
	10A	±(3.0%+5)		750°F~1832°F	±(3.0%+5)
ACA	200μA, 20mA	±(1.8%+5)	Battery Test	1.5V, 3V, 9V	-
	200mA	±(2.5%+5)	Frequency	2KHz	±(1.5%+5)
	10A	±(3.0%+5)			

Packaging Information	
Accessories	Test leads, Manual, Temperature probe, 1.5V*2 AAA Battery
Dimension	133*71*47mm
Weight	190g
Quantity	40
Color Box	112*54*155mm
Carton Box	570*335*250mm
SKU No.	MS830TCBGLO
EAN Code	8435394788289

Digital Multimeter

# MS830N



- Frequency: 400Hz
- Diode Test
- Continuity Check
- Transistor Test
- Non-Contact Voltage (NCV) Detection / Live Wire(Live) Recognition
- Max Display: 2000
- Overload Protection
- Unit Display
- CAT III 600V
- Auto Power Off
- Data Hold
- Backlight
- Battery: 1.5V AAA\*2



Spec	Range	Accuracy
Resistance	200Ω, 2KΩ, 20KΩ, 200KΩ	±(1.0%+5)
	20MΩ	±(1.2%+8)
DCV	200mV	±(0.5%+3)
	2V, 20V, 200V, 600V	±(0.8%+5)
ACV	200V, 600V	±(1.0%+10)
	20mA	±(1.0%+5)
DCA	200mA	±(2.0%+5)
	10A	±(3.0%+5)
Battery Test	1.5V, 3V, 9V	±(1.8%+2)

Packaging Information	
Accessories	Test leads, Manual, 1.5V*2 AAA Battery
Dimension	133*71*47mm
Weight	190g
Quantity	40
Color Box	112*54*155mm
Carton Box	570*335*250mm
SKU No.	MS830NCBGLO
EAN Code	8435394788296

Digital Multimeter - True RMS

# MS850A



- Buzzer / Continuity Check
- Transistor Test
- Diode Test
- True RMS
- Non-Contact Voltage (NCV) Detection / Live Wire(Live) Recognition
- Max Display: 2000
- CAT III 600V
- Input Impedance  $\geq 10M\Omega$
- Auto Power Off
- Data Hold
- Backlight
- Flashlight
- Battery: 1.5V AAA\*2

MS850A

Spec	Range	Accuracy
Resistance	200 $\Omega$ , 2K $\Omega$ , 20K $\Omega$ , 200K $\Omega$ , 2M $\Omega$	$\pm(1.0\%+5)$
	200M $\Omega$	$\pm(5.0\%+10)$
DCV	200mV, 2V	$\pm(0.5\%+3)$
	20V, 200V	$\pm(0.8\%+3)$
	600V	$\pm(0.8\%+5)$
ACV	200mV, 2V, 20V, 200V, 600V	$\pm(1.0\%+10)$
	2mA, 20mA	$\pm(1.0\%+5)$
DCA	200mA	$\pm(2.0\%+5)$
	10A	$\pm(3.0\%+5)$
	2mA, 20mA	$\pm(1.8\%+5)$
ACA	200mA	$\pm(2.5\%+5)$
	10A	$\pm(3.0\%+5)$
Battery Test	1.5V, 3V, 9V	$\pm(1.8\%+2)$

Packaging Information	
Accessories	Test leads, Manual, 1.5V*2 AAA Battery
Dimension	150*75*47mm
Weight	284g
Quantity	40
Color Box	112*54*155mm
Carton Box	570*335*250mm
SKU No.	MS850ACBGLO
EAN Code	8435394788302



Digital Multimeter - True RMS

# MS850B



- Buzzer / Continuity Check / Diode
- MAX / MIN / True RMS / REL
- Non-Contact Voltage (NCV) Detection / Live Wire(Live) Recognition
- Max Display: 2000
- CAT III 600V
- Input Impedance  $\geq 10M\Omega$
- Auto Power Off / Data Hold
- Backlight / Flashlight
- Battery: 1.5V AAA\*2



Spec	Range	Accuracy	Spec	Range	Accuracy
Resistance	200Ω, 2KΩ, 20KΩ, 200KΩ, 2MΩ	$\pm(1.0\%+5)$	ACA	200uA, 2000uA, 20mA	$\pm(1.8\%+5)$
	20MΩ	$\pm(1.2\%+8)$		200mA	$\pm(2.5\%+5)$
	20mV	$\pm(1.0\%+5)$		2A, 10A	$\pm(3.0\%+5)$
DCV	200mV, 2V	$\pm(0.5\%+3)$	°C	-20°C~0°C	$\pm 4^{\circ}C$
	20V, 200V	$\pm(0.8\%+3)$	°C	0°C~400°C	$\pm(2.0\%+3)$
	600V	$\pm(0.8\%+5)$	°C	400°C~1000°C	$\pm(3.0\%+3)$
			°F	-4°F~50°F	$\pm 5^{\circ}F$
ACV	20mV, 200mV, 2V, 20V, 200V, 600V	$\pm(1.0\%+10)$	°F	50°F~750°F	$\pm(2.0\%+5)$
				750°F~1832°F	$\pm(3.0\%+5)$
DCA	200uA, 2000uA, 20mA	$\pm(1.0\%+5)$	Battery Test	1.5V, 3V, 9V	
	200mA	$\pm(2.0\%+5)$			
	2A, 10A	$\pm(3.0\%+5)$			

Packaging Information	
Accessories	Test leads, Manual, Temperature probe, 1.5V*2 AAA Battery
Dimension	150*75*47mm
Weight	284g
Quantity	40
Color Box	112*54*155mm
Carton Box	570*335*250mm
SKU No.	MS850BCBGLO
EAN Code	8435394788524

Digital Multimeter - True RMS

# MS850C



- Buzzer / Continuity Check / Diode
- Transistor Test (Optional)
- MAX / MIN / True RMS / REL
- Non-Contact Voltage (NCV) Detection / Live Wire (Live) Recognition
- Max Display: 4000
- CAT III 600V
- Input Impedance  $\geq 10M\Omega$
- Auto Power Off / Data Hold
- Backlight / Flashlight
- Battery: 1.5V AAA\*2



Spec	Range	Accuracy	Spec	Range	Accuracy	
Resistance	400 $\Omega$ , 4K $\Omega$ , 40K $\Omega$ , 400K $\Omega$ , 4M $\Omega$	$\pm(1.0\%+5)$	Frequency	10Hz, 100Hz, 1KHz, 10KHz, 100KHz, 1MHz, 10MHz	$\pm(0.5\%+4)$	
	400mV, 4V	$\pm(0.5\%+3)$		Capacitance	60nF, 6 $\mu$ F, 60 $\mu$ F, 600 $\mu$ F	$\pm(4.0\%+15)$
	40V, 400V	$\pm(0.8\%+3)$			Duty Cycle	6mF, 60mF, 100mF
400mV, 4V, 40V, 400V, 600V	$\pm(0.8\%+5)$	Battery Test	0.1%~99.9% (Typical Value Vrms=1V, f=1)			$\pm(1.2\%+3)$
ACV	400 $\mu$ A, 4000 $\mu$ A, 40mA		$\pm(1.0\%+5)$	Battery Test		0.1%~99.9% ( $\geq 1KHz$ )
	400mA		$\pm(2.0\%+5)$			
DCA	4A, 10A	$\pm(3.0\%+5)$				
	ACA	400 $\mu$ A, 4000 $\mu$ A, 40mA	$\pm(1.8\%+5)$			
		400mA	$\pm(2.5\%+5)$			
	4A, 10A	$\pm(3.0\%+5)$				

Packaging Information	
Accessories	Test leads, Manual, Temperature probe, 1.5V*2 AAA Battery
Dimension	150*75*47mm
Weight	284g
Quantity	40
Color Box	112*54*155mm
Carton Box	570*335*250mm
SKU No.	MS850CCBGLO
EAN Code	8435394788531

Digital Multimeter - True RMS

# MS850D



- Buzzer / Continuity
- Diode
- Transistor Test(Optional)
- MAX / MIN
- True RMS
- REL
- Non-Contact Voltage (NCV) Detection / Live Wire(Live) Recognition
- Max Display: 6000
- CAT III 600V
- Input Impedance
- Auto Power Off
- Data Hold
- Flashlight
- Battery: 1.5V AAA\*2



Spec	Range	Accuracy	Spec	Range	Accuracy
Resistance	600Ω, 6KΩ, 60KΩ, 600KΩ, 6MΩ	±(1.0%+5)	Frequency	10Hz, 100Hz, 1KHz, 10KHz, 100KHz, 1MHz, 10MHz	±(0.5%+4)
	60MΩ	±(1.2%+8)		60nF	±(4.0%+25)
DCV	600mV, 6V	±(0.5%+3)	Capacitance	600nF, 6uF, 60uF, 600uF	±(4.0%+15)
	60V	±(0.8%+3)		6mF, 60mF, 100mF	±(5.0%+25)
ACV	600V	±(0.8%+5)	Duty Cycle	0.1%~99.9% (Typical Value Vrms=1V, f=1 )	±(1.2%+3)
	600mV, 6V, 60V, 600V	±(1.0%+10)		0.1%~99.9%(≥1KHz)	±(2.5%+3)
DCA	600uA, 6000uA, 60mA	±(1.0%+5)	°C	-20°C~0°C	±4°C
	600mA	±(2.0%+5)		0°C~400°C	±(2.0%+3)
ACA	6A, 10A	±(3.0%+5)		400°C~1000°C	±(3.0%+3)
	600uA, 6000uA, 60mA	±(1.8%+5)	°F	-4°F~50°F	±5°F
	600mA	±(2.5%+5)		50°F~750°F	±(2.0%+5)
	6A, 10A	±(3.0%+5)		750°F~1832°F	±(3.0%+5)

Packaging Information	
Accessories	Test leads, Manual, Temperature probe, 1.5V*2 AAA Battery
Dimension	150*75*47mm
Weight	284g
Quantity	40
Color Box	112*54*155mm
Carton Box	570*335*250mm
SKU No.	MS850DCBGLO
EAN Code	8435394788548

Digital Multimeter - True RMS

# MS8239D+



- Frequency 1000Hz
- Overload Protection
- True RMS
- Diode/Continuity/ LED
- Non-Contact Voltage (NCV) Detection / Live Wire(Live) Recognition
- Max Display: 4000
- CAT III 600V
- MAX / MIN
- Relative
- Auto Power Off / Data Hold / Backlight / Unit Display
- Battery: 1.5V AAA\*2

Spec	Range	Accuracy	Spec	Range	Accuracy
Resistance	400Ω	±(1.2%+2)	ACA	400uA	±(1.8%+3)
	4KΩ, 40KΩ, 400KΩ, 4MΩ	±(1.0%+2)		4000uA, 40mA	±(1.5%+5)
				400mA	±(2.5%+5)
DCV	40MΩ	±(1.2%+8)	Capacitance	4A, 10A	±(3.0%+10)
	40mV	±(0.5%+5)		40.0nF	±(4.0%+25)
	400mV	±(0.5%+3)		400.0nF~400.0uF	±(4.0%+15)
	4V, 40V, 400V	±(0.8%+3)		4.000mF~40.00mF	±(5.0%+25)
	600V	±(1.0%+5)		Frequency	4.000~10MHz
40mV	±(1.0%+20)				
ACV	400mV	±(1.0%+10)			
	4V, 40V, 400V	±(0.8%+3)			
	600V	±(1.2%+5)			
DCA	400uA, 4000uA, 40mA	±(1.0%+5)			
	400mA	±(2.0%+5)			
	4A, 10A	±(2.5%+5)			

Packaging Information	
Accessories	Test leads, Manual, 1.5V*2 AAA Battery
Dimension	147*74*46mm
Weight	229g
Quantity	40
Color Box	112*54*155mm
Carton Box	570*335*250mm
SKU No.	MS8239D+CBGLO
EAN Code	8435394788319

Digital Multimeter - True RMS

# MS8239T



- Frequency 1000Hz
- Overload Protection
- True RMS
- Diode
- Continuity
- LED
- Non-Contact Voltage (NCV) Detection / Live Wire(Live) Recognition
- Max Display: 4000
- CAT III 600V
- MAX / MIN / Relative
- Auto Power Off / Data Hold / Backlight / Unit Display
- Battery: 1.5V AAA\*2

MS8239T

Spec	Range	Accuracy	Spec	Range	Accuracy
Resistance	400Ω	±(1.2%+2)	ACA	400uA	±(1.8%+3)
	4KΩ, 40KΩ, 400KΩ, 4MΩ	±(1.0%+2)		4000uA, 40mA, 400mA	±(1.5%+5)
	40MΩ	±(1.2%+8)		4A, 10A	±(3.0%+10)
DCV	40mV	±(0.5%+5)	Frequency	10MHz	±(0.1%+2)
	400mV	±(0.5%+3)		°C	-20°C~750°C
	4V, 40V, 400V	±(0.8%+3)	°F	-4°F~1832°F	±(3.0%+3)
	600V	±(1.0%+5)	Capacitance	40.00nF	±(4.0%+25)
40mV	±(1.0%+20)	400.0nF~400.0uF		±(4.0%+15)	
ACV	400mV	±(1.0%+10)	4.000mF~40.00mF	±(5.0%+25)	
	4V, 40V, 400V	±(0.8%+3)	Frequency	4.000Hz~10MHz	±(0.1%+2)
	600V	±(1.2%+5)			
DCA	400uA, 4000uA, 40mA	±(1.0%+5)			
	400mA	±(2.0%+5)			
	4A, 10A	±(2.5%+5)			

Packaging Information	
Accessories	Test leads, Manual, Temperature probe, 1.5V*2 AAA Battery
Dimension	147*74*46mm
Weight	229g
Quantity	40
Color Box	112*54*155mm
Carton Box	570*335*250mm
SKU No.	MS8239TCBGLO
EAN Code	8435394788326

Digital Multimeter - True RMS

# MS890A



- Frequency 400Hz
- True RMS
- Overload Protection
- Transistor Test
- Diode
- Continuity
- LED
- Max Display: 2000
- CAT IV 600V / CAT III 1000V
- Relative
- Auto Power Off
- Data Hold
- Flashlight
- Battery: 9V

MS890A

Spec	Range	Accuracy
Resistance	200Ω, 2KΩ, 20KΩ, 200KΩ, 2MΩ	±(0.8%+5)
	200MΩ	±(5.0%+10)
	200mV	±(0.5%+3)
DCV	2V, 20V, 200V	±(0.8%+3)
	1000V	±(1.0%+5)
ACV	2V, 20V, 200V	±(1.0%+5)
	750V	±(1.2%+5)
DCA	2mA, 200mA	±(1.0%+5)
	10A	±(1.5%+10)
ACA	2mA, 200mA	±(1.5%+5)
	10A	±(1.8%+15)
Capacitance	2nF	±(4.0%+20)
	20nF, 200nF, 2uF	±(4.0%+15)
	200uF	±(4.0%+20)
Frequency	200KHz	±(1.5%+10)
°C	-20°C~400°C	±(2.0%+3)
	400°C~1000°C	±(2.0%+3)

Packaging Information	
Accessories	Test leads, Manual, Temperature probe, 9V 6F22 Battery
Dimension	185*88*54mm
Weight	355g
Quantity	20
Color Box	118*58*195mm
Carton Box	420*325*260mm
SKU No.	MS890ACBGLO
EAN Code	8435394788333

Digital Multimeter - True RMS

# MS890B



- Frequency 1000Hz
- True RMS
- Overload Protection
- Transistor Test / Diode / Continuity / LED
- Non-Contact Voltage (NCV) Detection / Live Wire(Live) Recognition
- Max Display: 4000
- CAT IV 600V / CAT III 1000V
- Relative
- Auto Power Off / Data Hold
- Backlight / Flashlight / Dual Backlight
- Unit Display
- Battery: 1.5V AA\*2

Spec	Range	Accuracy
Resistance	400Ω, 4KΩ, 40KΩ, 400KΩ, 4MΩ	±(0.8%+3)
	40MΩ	±(1.0%+25)
DCV	400mV, 4V, 40V, 400V	±(0.5%+2)
	1000V	±(0.7%+10)
ACV	4V, 40V, 400V	±(0.8%+3)
	750V	±(1.0%+5)
DCA	40uA, 400uA	±(1.0%+5)
	4mA, 40mA, 400mA	±(0.8%+5)
ACA	20A	±(1.0%+10)
	40mA, 400mA	±(1.5%+5)
Capacitance	20A	±(1.0%+10)
	1nF~10nF	±(4.0%+25)
Frequency	100nF~100uF	±(4.0%+15)
	1mF~40mF	±(5.0%+25)
	1Hz~1KHz	±(0.1%+2)

Packaging Information	
Accessories	Test leads, Manual, 1.5V*2 AA Battery
Dimension	185*88*54mm
Weight	355g
Quantity	20
Color Box	118*58*195mm
Carton Box	420*325*260mm
SKU No.	MS890BCBGLO
EAN Code	8435394788340

Digital Multimeter - True RMS

# MS890C+



- Frequency 1000Hz
- True RMS
- Duty Cycle / Square Wave Output
- Overload Protection / Diode / Continuity
- LED / Bar Graph / V.F.C
- Non-Contact Voltage (NCV) Detection / Live Wire(Live) Recognition
- Max Display: 6000
- CAT IV 600V / CAT III 1000V
- Relative / Low Impedance
- Auto Power Off / Data Hold / Backlight / Flashlight / Unit Display
- Battery: 1.5V AA\*2

Spec	Range	Accuracy	Spec	Range	Accuracy
Resistance	600Ω, 6KΩ, 60KΩ, 600KΩ, 6MΩ	±(0.8%+3)	ACA	60mA, 600mA	±(1.5%+5)
	60MΩ	±(1.0%+25)		6A, 10A	±(1.0%+10)
DCV	600mV, 6V, 60V, 600V	±(0.5%+2)	Capacitance	60nF	±(4.0%+25)
	1000V	±(0.7%+10)		600nF~600uF	±(4.0%+15)
ACV	6V, 60V, 600V	±(0.8%+3)	6mF~60mF	±(5.0%+25)	
	750V	±(1.0%+5)	Frequency	1Hz~10MHz	±(0.1%+2)
V-Lowz	DC AC	±(0.5%+10)		°C	-20°C~400°C
		±(0.8%+10)	400°C~1000°C		±(2.0%+3)
DCA	600uA	±(1.0%+5)	°F	0°F~1800°F	±(3.0%+3)
	6mA, 60mA, 600mA	±(0.8%+5)			
	10A	±(1.0%+10)			

Packaging Information	
Accessories	Test leads, Manual, Temperature probe, 1.5V*2 AA Battery
Dimension	185*88*54mm
Weight	355g
Quantity	20
Color Box	118*58*195mm
Carton Box	420*325*260mm
SKU No.	MS890C+CBGLO
EAN Code	8435394788357



Digital Multimeter - True RMS

# MS890D+



- Frequency 1000Hz
- True RMS
- Overload Protection
- Transistor Test / Diode / Continuity / LED
- Non-Contact Voltage (NCV) Detection / Live Wire(Live) Recognition
- Max Display: 4000
- CAT IV 600V / CAT III 1000V
- Relative
- Auto Power Off / Data Hold
- Backlight / Flashlight / Dual Backlight
- Unit Display
- Battery: 1.5V AA\*2

Spec	Range	Accuracy
Resistance	400Ω, 4KΩ, 40KΩ, 400KΩ, 4MΩ	±(0.8%+3)
	40MΩ	±(1.0%+25)
DCV	400mV, 4V, 40V, 400V	±(0.5%+2)
	1000V	±(0.7%+10)
ACV	4V, 40V, 400V	±(0.8%+3)
	750V	±(1.0%+5)
DCA	400uA	±(1.0%+5)
	4mA, 40mA, 400mA	±(0.8%+5)
ACA	20A	±(1.0%+10)
	40mA, 400mA	±(1.5%+5)
Capacitance	20A	±(1.0%+10)
	1nF~10nF	±(4.0%+25)
Frequency	100nF~100uF	±(4.0%+15)
	1mF~40mF	±(5.0%+25)
°C	1Hz~1KHz	±(0.1%+2)
°F	-20°C~1000°C	±(2.0%+3)
	0°F~1800°F	±(2.0%+3)

Packaging Information	
Accessories	Test leads, Manual, Temperature probe, 1.5V*2 AA Battery
Dimension	185*88*54mm
Weight	355g
Quantity	20
Color Box	118*58*195mm
Carton Box	420*325*260mm
SKU No.	MS890D+CBGLO
EAN Code	8435394788364

Digital Multimeter - True RMS

# MS8118A



- Non-Contact Voltage (NCV) Detection / Live Wire(Live) Recognition
- True RMS
- Diode / Buzzer
- Display: 4 digits, Max 9999
- LCD Screen: VA Color Screen
- Sampling Rate: 3 time/s
- Auto Power Off: 10min. (can be canceled)
- Overload: "OL"
- Screen Size: 73\*51mm
- Battery: 4\*1.5V AAA

MS8118A

Spec	Range	Accuracy	Spec	Range	Accuracy
Resistance	999.9Ω, 9.999KΩ, 99.99KΩ, 999.9KΩ	±(0.8%+3)	Hz/%	9.999Hz~9.999MHz	±(0.1%+5)
	9.999MΩ, 99.99MΩ	±(1.2%+3)	V/A	9.999Hz~9.999KHz	
DCV	99.99mV, 999.9mV, 9.999V, 99.99V, 999.9V	±(0.5%+5)	Duty Cycle	10%~95%	±(0.8%+3)
			°C	-20°C~1000°C	±(1.0%+5) < 400°C, ±(1.5%+15) ≥400°C
ACV	99.99mV, 999.9mV, 9.999V, 99.99V, 750V	±(0.8%+5)	°F	0°F~1832°F	±(0.75%+5) < 1382°F, ±(1.5%+15) ≥1382°F
DCA	9.999mA, 99.99mA	±(1.0%+2)	Working Env.	-10°C~50°C; max 80%RH, indoor altitude < 2000m	
	600mA	±(2.0%+2)			
ACA	9.999A	±(3.0%+5)	Storage Env.	-10°C~50°C; max 70%RH (battery removed)	
	9.999mA, 99.99mA	±(1.0%+2)			
Capacitance	600mA	±(2.0%+2)			
	9.999nF, 99.99nF, 9.999uF, 99.99uF, 999.9uF	±(4.0%+5)			
	9.999mF, 99.99mF	±(5.0%+5)			

**Packaging Information**

Accessories	Carry bag, Manual, Test leads, Temperature probe, 1.5V Battery*4
Dimension	153*81*27mm
Weight	235g(w/o Battery)
Quantity	30
Color Box	105*57*192mm
Carton Box	600*335*215mm
SKU No.	MS8118ACBGLO
EAN Code	8435394788777



# DIGITAL CLAMP METERS

ELECTRICAL

Digital Clamp Meter - True RMS

# MS2003A



- Frequency 2000Hz
- True RMS
- Relative
- MAX / MIN
- Diode / Continuity
- Non-Contact Voltage (NCV) Detection / Live Wire(Live) Recognition
- Max Display: 4000
- CAT III 600V
- Input Impedance  $\geq 10M\Omega$
- Max Jaw Opening: 19mm
- Auto Power Off / Data Hold
- Backlight / Unit Display
- Battery: 1.5V AAA\*2

Spec	Range	Accuracy
Resistance	400 $\Omega$	$\pm(1.0\%+10)$
	4K $\Omega$ , 40K $\Omega$ , 400K $\Omega$ , 4M $\Omega$	$\pm(0.8\%+5)$
	40M $\Omega$	$\pm(2.0\%+10)$
DCV	400mV	$\pm(0.7\%+5)$
	4V, 40V, 400V, 600V	$\pm(0.8\%+5)$
ACV	4V, 40V, 400V, 600V	$\pm(1.0\%+5)$
ACA	4A, 40A, 200A	$\pm(2.5\%+10)$
	-20°C~0°C	$\pm 4^\circ\text{C}$
°C	0°C~400°C	$\pm(2.0\%+3)$
	400°C~1000°C	$\pm(3.0\%+3)$
	-4°F~50°F	$\pm 5^\circ\text{F}$
°F	50°F~750°F	$\pm(2.0\%+5)$
	750°F~1832°F	$\pm(3.0\%+5)$
	40nF	$\pm(4.0\%+25)$
Capacitance	400nF~400uF	$\pm(4.0\%+15)$
	4mF	$\pm(5.0\%+25)$
Frequency	10Hz~10MHz	$\pm(0.5\%+2)$

Packaging Information	
Accessories	Carry bag, Test leads, Manual, Temperature probe, 1.5V*2 AAA Battery
Dimension	60*178*32mm
Weight	165g
Quantity	40
Color Box	75*55*195mm
Carton Box	580*325*220mm
SKU No.	MS2003ACBGLO
EAN Code	8435394788388

Digital Clamp Meter - True RMS

# MS2003B



- Frequency 1000Hz
- True RMS / Duty Cycle
- AC / DC voltage
- V.F.C
- Diode / Continuity
- Non-Contact Voltage (NCV) Detection / Live Wire(Live) Recognition
- Max Display: 6000
- CAT III 600V
- Input Impedance  $\geq 10M\Omega$
- Max Jaw Opening: 19mm
- Auto Power Off
- Data Hold
- Backlight / Unit Display
- Battery: 1.5V AAA\*2

Spec	Range	Accuracy	Spec	Range	Accuracy
Resistance	600 $\Omega$	$\pm(4.0\%+10)$	$^{\circ}C$	-20 $^{\circ}C$ ~0 $^{\circ}C$	$\pm 4^{\circ}C$
	6K $\Omega$ , 60K $\Omega$ , 600K $\Omega$ , 6M $\Omega$	$\pm(0.8\%+5)$		0 $^{\circ}C$ ~400 $^{\circ}C$	$\pm(2.0\%+3)$
				400 $^{\circ}C$ ~1000 $^{\circ}C$	$\pm(3.0\%+3)$
DCV	60M $\Omega$	$\pm(2.0\%+10)$	$^{\circ}F$	-4 $^{\circ}F$ ~50 $^{\circ}F$	$\pm 5^{\circ}F$
	600mV	$\pm(0.7\%+5)$		50 $^{\circ}F$ ~750 $^{\circ}F$	$\pm(2.0\%+5)$
	6V, 60V, 600V	$\pm(0.8\%+5)$		750 $^{\circ}F$ ~1832 $^{\circ}F$	$\pm(3.0\%+5)$
ACV	600mV	$\pm(1.0\%+10)$	Capacitance	10nF	$\pm(4.0\%+25)$
	6V, 60V, 600V	$\pm(1.0\%+5)$		100nF~100uF	$\pm(4.0\%+15)$
	V.F.C 600V	$\pm(4.0\%+5)$		1mF~60mF	$\pm(5.0\%+25)$
ACA	6000mA, 60A, 200A	$\pm(2.5\%+10)$	Frequency	10Hz~1KHz	$\pm(0.5\%+2)$

**Packaging Information**

Accessories	Carry bag, Test leads, Manual, Temperature probe, 1.5V*2 AAA Battery
Dimension	60*178*32mm
Weight	165g
Quantity	40
Color Box	75*55*195mm
Carton Box	580*325*220mm
SKU No.	MS2003BCBGLO
EAN Code	8435394788371

Digital Clamp Meter - True RMS

# MS2103A



- Frequency 2000Hz
- True RMS
- Relative
- 600mA Fuse
- Diode / Continuity
- Non-Contact Voltage (NCV) Detection / Live Wire(Live) Recognition
- Max Display: 6000
- CAT III 600V
- Input Impedance  $\geq 10M\Omega$
- Max Jaw Opening: 19mm
- Auto Power Off
- Data Hold
- Backlight / Unit Display
- Battery: 1.5V AAA\*2

Spec	Range	Accuracy
Resistance	600 $\Omega$	$\pm(1.0\%+10)$
	6K $\Omega$ , 60K $\Omega$ , 600K $\Omega$ , 6M $\Omega$	$\pm(0.8\%+5)$
	60M $\Omega$	$\pm(2.0\%+10)$
DCV	600mV	$\pm(0.7\%+5)$
	6V, 60V, 600V	$\pm(0.8\%+5)$
ACV	6V, 60V, 600V	$\pm(1.0\%+5)$
DCA	6mA, 60mA, 600mA	$\pm(1.5\%+10)$
	60A, 200A	$\pm(2.5\%+10)$
ACA	6mA, 60mA, 600mA, 60A, 200A	$\pm(2.5\%+10)$
	60nF	$\pm(4.0\%+25)$
Capacitance	600nF~600uF	$\pm(4.0\%+15)$
	6mF~60mF	$\pm(5.0\%+25)$
Frequency	10Hz~1MHz	$\pm(0.5\%+2)$

Packaging Information	
Accessories	Carry bag, Test leads, Manual, 1.5V*2 AAA Battery
Dimension	60*178*32mm
Weight	165g
Quantity	40
Color Box	75*55*195mm
Carton Box	580*325*220mm
SKU No.	MS2103ACBGLO
EAN Code	8435394788395

Digital Clamp Meter - True RMS

# MS2103B



- Frequency 2000Hz
- True RMS
- Relative
- MAX / MIN
- Diode / Continuity
- Non-Contact Voltage (NCV) Detection / Live Wire(Live) Recognition
- Max Display: 4000
- CAT III 600V
- Input Impedance  $\geq 10M\Omega$
- Max Jaw Opening: 19mm
- Auto Power Off / Data Hold
- Backlight
- Unit Display
- Battery: 1.5V AAA\*2

MS2103B

Spec	Range	Accuracy	Spec	Range	Accuracy
Resistance	400 $\Omega$	$\pm(1.0\%+10)$	Capacitance	40nF	$\pm(4.0\%+25)$
	4K $\Omega$ , 40K $\Omega$ , 400K $\Omega$ , 4M $\Omega$	$\pm(0.8\%+5)$		400nF~400uF	$\pm(4.0\%+15)$
				4mF	$\pm(5.0\%+25)$
DCV	40M $\Omega$	$\pm(2.0\%+10)$		-20 $^{\circ}$ C~0 $^{\circ}$ C	$\pm 4^{\circ}$ C
	400mV	$\pm(0.7\%+5)$	$^{\circ}$ C	0 $^{\circ}$ C~400 $^{\circ}$ C	$\pm(2.0\%+3)$
	4V, 40V, 400V, 600V	$\pm(0.8\%+5)$		400 $^{\circ}$ C~1000 $^{\circ}$ C	$\pm(3.0\%+3)$
ACV				-4 $^{\circ}$ F~50 $^{\circ}$ F	$\pm 5^{\circ}$ F
	4V, 40V, 400V, 600V	$\pm(1.0\%+5)$	$^{\circ}$ F	50 $^{\circ}$ F~750 $^{\circ}$ F	$\pm(2.0\%+5)$
DCA	40A, 200A	$\pm(2.5\%+10)$		750 $^{\circ}$ F~1832 $^{\circ}$ F	$\pm(3.0\%+5)$
ACA	40A, 200A	$\pm(2.5\%+10)$			
Frequency	10Hz~10MHz	$\pm(0.5\%+2)$			

Packaging Information	
Accessories	Carry bag, Test leads, Manual, Temperature probe, 1.5V*2 AAA Battery
Dimension	60*178*32mm
Weight	165g
Quantity	40
Color Box	75*55*195mm
Carton Box	580*325*220mm
SKU No.	MS2103BCBGLO
EAN Code	8435394788401

Digital Clamp Meter

# MS2109B



- Frequency 60Hz
- LED
- Flashlight
- LPF (ACV)
- Overload Protection
- Diode / Continuity
- Non-Contact Voltage (NCV) Detection / Live Wire (Live) Recognition
- Max Display: 2000
- CAT III 600V
- Max Jaw Opening: 23mm
- Auto Power Off
- Data Hold
- Backlight / Unit Display
- Battery: 1.5V AAA\*3

Spec	Range	Accuracy
Resistance	200Ω	±(1.0%+10)
	2KΩ, 20KΩ, 200KΩ, 2MΩ	±(0.8%+5)
	20MΩ	±(2.0%+10)
DCV	200mV	±(0.5%+3)
	2V, 20V, 200V	±(0.8%+5)
	600V	±(1.0%+5)
	200mV	±(0.8%+3)
ACV	2V, 20V, 200V	±(1.0%+5)
	600V	±(1.2%+5)
ACA	2A, 20A, 200A, 600A	±(2.5%+10)

Packaging Information	
Accessories	Carry bag, Test leads, Manual, 1.5V*3 AAA Battery
Dimension	194*72*35mm
Weight	230g
Quantity	20
Color Box	146*45*225mm
Carton Box	500*315*250mm
SKU No.	MS2109BCBGLO
EAN Code	8435394788418



Digital Clamp Meter - True RMS

# MS2109C



- Frequency 1000Hz
- True RMS
- Relative
- LED
- Flashlight
- Duty Cycle
- Overload Protection
- Diode / Continuity
- Non-Contact Voltage (NCV) Detection / Live Wire(Live) Recognition
- Max Display: 4000
- CAT III 600V
- Max Jaw Opening: 23mm
- Auto Power Off / Data Hold
- Backlight / Unit Display
- Battery: 1.5V AAA\*3

Spec	Range	Accuracy	Spec	Range	Accuracy	
Resistance	400Ω	±(1.0%+10)	Capacitance	10nF	±(4.0%+25)	
	4KΩ, 40KΩ, 400KΩ, 4MΩ	±(0.8%+5)		100nF, 1uF, 10uF, 100uF	±(4.0%+15)	
	40MΩ	±(2.0%+10)		1mF, 10mF	±(5.0%+25)	
DCV	400mV	±(0.5%+3)	Frequency	10Hz~10MHz	±(0.5%+2)	
	4V, 40V, 400V	±(0.8%+5)		°C	-20°C~0°C	±(5.0%+4)
	600V	±(1.0%+5)		0°C~400°C	±(2.0%+3)	
ACV	400mV	±(0.8%+3)	400°C~1000°C	±(3.0%+3)		
	4V, 40V, 400V	±(1.0%+5)	°F	-0°F~50°F	±(5.0%+4)	
	600V	±(1.2%+5)	50°F~750°F	±(2.0%+3)		
ACA	40A, 400A, 600A	±(2.5%+10)	750°F~1800°F	±(3.0%+3)		

Packaging Information	
Accessories	Carry bag, Test leads, Manual, Temperature probe, 1.5V*3 AAA Battery
Dimension	194*72*35mm
Weight	230g
Quantity	20
Color Box	146*45*225mm
Carton Box	500*315*250mm
SKU No.	MS2109CCBGLO
EAN Code	8435394788425

Digital Clamp Meter - True RMS

# MS2109D



- Frequency 1000Hz
- True RMS
- Relative
- LED / Flashlight
- Duty Cycle / Inrush Current
- Overload Protection
- Diode / Continuity
- Non-Contact Voltage (NCV) Detection / Live Wire(Live) Recognition
- Max Display: 6000
- CAT III 600V
- Max Jaw Opening: 23mm
- Auto Power Off / Data Hold / Backlight / Unit Display
- Battery: 1.5V AAA\*3

Spec	Range	Accuracy	Spec	Range	Accuracy
Resistance	600Ω	±(1.0%+10)	Capacitance	10nF	±(4.0%+25)
	6KΩ, 60KΩ, 600KΩ, 6MΩ	±(0.8%+5)		100nF, 1uF, 10uF, 100uF	±(4.0%+15)
	60MΩ	±(2.0%+10)		1mF, 10mF	±(5.0%+25)
DCV	600mV	±(0.5%+3)	Frequency	10Hz~10MHz	±(0.5%+2)
	6V, 60V, 600V	±(0.8%+5)		-20°C~0°C	±(5.0%+4)
	1000V	±(1.0%+10)		0°C~400°C	±(2.0%+3)
ACV	600mV	±(1.0%+5)	°C	400°C~1000°C	±(3.0%+3)
	6V, 60V, 600V	±(1.0%+5)		-0°F~50°F	±(5.0%+4)
	750V	±(1.2%+5)		50°F~750°F	±(2.0%+3)
DCA	60A, 600A, 1000A	±(2.5%+10)	°F	750°F~1800°F	±(3.0%+3)
	ACA	60A, 600A, 1000A			

Packaging Information	
Accessories	Carry bag, Test leads, Manual, Temperature probe, 1.5V*3 AAA Battery
Dimension	194*72*35mm
Weight	230g
Quantity	20
Color Box	146*45*225mm
Carton Box	500*315*250mm
SKU No.	MS2109DCBGL0
EAN Code	8435394788432

Digital Clamp Meter - True RMS

# MS2008C



- True RMS
- AC/DCA
- AC/DCV
- Overload Display OL
- Frequency
- Continuity
- Diode
- Resistance
- Capacitance
- Non-Contact Voltage (NCV) Detection / Live Wire(Live) Recognition
- Max Display: 6000
- Max Jaw Opening: 28mm
- CAT II 600V / CAT III 300V
- Battery: 1.5V AAA\*2

Spec	Range	Accuracy	Spec	Range	Accuracy
Resistance	600Ω, 6KΩ, 60KΩ, 600KΩ	±(1%+5)		100V	±(0.8%+3)/400Hz
	6MΩ, 60MΩ	±(2%+5)	ACV	600V	±(1.5%+5)/1KHz
DCV	600mV, 6V, 60V, 600V	±(0.5%+3)	LowZ	Measurement time max 3Min	
				10HZ>5Vrms	
ACV	6V, 60V, 600V	±(0.8%+3) / 400Hz ±(1.5%+5) / 1KHz	Fre-quency	600HZ>5Vrms 6KHZ>5Vrms 60KHZ>5Vrms	±(0.5%+5)
			Capac- itance	6nF/60nF/600nF 6uF/60uF/600uF	±(4%+5)
	VFD frequency conversion measurment : 100V~600V ±(4%+5) / 400Hz			6000uF, 60mF	±(8%+5)
	VFD:100V~600V		°C	-50°C~10°C 10°C~1000°C	4°C ±(1.5%+4°C)
DCA	60A, 600A	±(2.5%+5)	°F	-58°F~500°F 50°F~1832°F	5°F ±(2%+5°F)
ACA	60A, 600A	±(2.5%+5) / 60Hz			

Packaging Information	
Accessories	Carry bag, Test leads, Manual, Temperature probe, 1.5V*2 AAA Battery
Dimension	195*73*36mm
Weight	218g
Quantity	20
Color Box	146*45*225mm
Carton Box	500*315*250mm
SKU No.	MS2008CCBGLO
EAN Code	8435394788951

Digital Clamp Meter - New Energy Industry

# MS2008D



- Application of the New True RMS Energy Industry
- Installation and testing of solar power generation system circuits
- Inspection and repair of electric vehicle circuits
- Installation and maintenance of charging stations and electrical rooms and air conditioning systems
- AC/DCA
- ACV 1000V / DCV 1700V
- DC Power
- Overload Display OL / Frequency / Continuity
- Diode / Resistance / Capacitance
- Non-Contact Voltage(NCV) Detection / Live Wire(Live) Recognition
- Max Display: 6000
- Max Jaw Opening: 28mm
- CAT II 600V / CAT III 300V
- Battery: 1.5V AAA\*2

Spec	Range	Accuracy	Spec	Range	Accuracy
Resistance	600Ω, 6KΩ, 60KΩ, 600KΩ	±(1%+5)	DC Power	1020KVA	±(3%+30)
	6MΩ, 60MΩ	±(2%+5)		0.01~600A	±(2%+5)
DCV	600mV, 6V, 60V, 600V	±(0.5%+3)	High Voltage detection	1V~1700V	±(2%+10)
	6V, 60V, 600V	±(0.8%+3) / 400Hz		DC1700V	±(2%+10)
ACV	VFD frequency conversion measurement : 100V~600V ±(4%+5) / 400Hz	±(1.5%+5) / 1KHz	Fre-quency	AC1000V	±(0.5%+5)
				10HZ>5Vrms	
DCA	60A, 600A	±(2.5%+5)	Capac- itance	60KHZ>5Vrms	±(4%+5)
				6nF/60nF/600nF	
ACA	60A, 600A	±(2.5%+5) / 60Hz	°C	6000uF, 60mF	±(8%+5)
				-50°C~10°C	4°C
			°F	10°C~1000°C	±(1.5%+4°C)
				-58°F~500°F	5°F
				50°F~1832°F	±(2%+5°F)

### Packaging Information

Accessories	Carry bag, Test leads, Manual, Temperature probe, 1.5V*2 AAA Battery
Dimension	195*73*36mm
Weight	218g
Quantity	20
Color Box	146*45*225mm
Carton Box	500*315*250mm
SKU No.	MS2008DCBGLO
EAN Code	8435394788944



# ENVIRONMENTAL TESTERS

ENVIRONMENTAL

Wire Tracker Transmitter

# MS6815A



- Smart Digital Line Finding
- Humanized Network Cable Sequence Alignment
- Convenient Sensitivity Adjustment

MS6815A

Function	Spec
Open and Short Circuit	LED indication
Open and Circuit Voltage Test	LED indication
Telephone Line Status	LED indication
Flashlight	Receiver with flashlight
LCD Screen	LED indication
Output Signal Level	About 5Vp-p
Power	2*6F22 9V Battery
Max Working Current	Emitter≤60mA Receiver≤80mA
Transmitting Singal Distance	≤3km
Emitter Size / Receiver Size	Emitter: 135*55*35mm Receiver: 151*48*31mm
Emitter Weight / Receiver Weight	90g / 77g(w/o Battery)
Low Battery Indicator	Prompt when less than 7.2V

Packaging Information	
Accessories	Carry bag, Manual, Network cable, Alligator clip, 9V Battery*2
Dimension	151*100*35mm
Weight	167g(w/o Battery)
Quantity	40
Color Box	120*50*180mm
Carton Box	530*380*260mm
SKU No.	MS6815ACBGLO
EAN Code	8435394788579

Wire Tracker Transmitter  
**MS6815B**



- Smart Digital Line Finding
- Humanized Network Cable Sequence Alignment
- POE Switch Tracking

MS6815B

Function	Spec
Open and Short Circuit	LED indication
Open and Circuit Voltage Test	LED indication
Telephone Line Status	LED indication
Adjustable Sensitivity	Adjustable within 0~5cm
Flashlight	Receiver with flashlight
LCD Screen	LED indication
Output Signal Level	About 5Vp-p
Power	2*6F22 9V Battery
Max Working Current	Emitter≤60mA, Receiver≤80mA
Transmitting Singal Distance	≈3km
Emitter Size / Receiver Size	Emitter: 135*55*35mm Receiver: 151*48*31mm
Emitter Weight / Receiver Weight	90g / 77g(w/o Battery)
Low Battery Indicator	Prompt when less than 7.2V

Packaging Information	
Accessories	Carry bag, Manual, Network cable, Alligator clip, 9V Battery*2
Dimension	151*100*35mm
Weight	167g(w/o Battery)
Quantity	40
Color Box	120*50*180mm
Carton Box	530*380*260mm
SKU No.	MS6815BCBGLO
EAN Code	8435394788586

Infrared Thermometer

# MS6523A



- °C / °F Conversion
- Backlight
- Battery: 1.5V AAA\*2

MS6523A

Spec	Range	Accuracy
Temperature Measuring Range	-50°C~500°C	0°C~500°C / $\pm(1.5\%+1^{\circ}\text{C})$ , -50°C~0°C / $\pm 3^{\circ}\text{C}$
	-58°F~932°F	32°F~932°F/ $\pm(1.5\%+5^{\circ}\text{F})$ , -58°F~32°F/ $\pm 5^{\circ}\text{F}$
Repeatability Accuracy	$\pm 0.5\%$ or $\pm 1^{\circ}\text{C}$ (2°F)	
Display Resolution	0.1°C (0.1°F)	
Response Time and Wavelength	Less than 500ms / 8~14um	
Emissivity	0.1~1.00 Adjustable(Step size 0.01)	
Measuring Object Distance Ratio	12:1	
Laser Aiming	Less than 1mW / 650nm, Laser grade II grade	
Screen Display Mode	VA Color Screen	
Overrange Prompt	"HI" or "LO"	
Working Environment Temp.	0°C~50°C (32°F~122°F)	
Working Environment Humidity	$\leq 80\%$ RH Non condensing	
Storage Temp. Range	-20°C~60°C (-4°F~140°F)	

Packaging Information	
Accessories	Manual, 1.5V*2 AAA
Dimension	155*92*42mm
Weight	180g(w/o Battery)
Quantity	60
Color Box	120*50*180mm
Carton Box	530*380*380mm
SKU No.	MS6523ACBGLO
EAN Code	8435394788593



Infrared Thermometer

# MS6523B



- °C / °F Conversion
- Backlight
- Battery: 1.5V AAA\*2

MS6523B

Spec	Range	Accuracy
Temperature Measuring Range	-50°C~700°C	0°C~700°C / $\pm(1.5\%+1^{\circ}\text{C})$ , -50°C~0°C / $\pm 3^{\circ}\text{C}$
	-58°F~1292°F	32°F~1929°F / $\pm(1.5\%+5^{\circ}\text{F})$ , -58°F~32°F / $\pm 5^{\circ}\text{F}$
Repeatability Accuracy	$\pm 0.5\%$ or $\pm 1^{\circ}\text{C}$ (2°F)	
Display Resolution	0.1°C (0.1°F)	
Response Time and Wavelength	Less than 500ms / 8~14um	
Emissivity	0.1~1.00 Adjustable(Step size 0.01)	
Measuring Object Distance Ratio	12:1	
Laser Aiming	Less than 1mW / 650nm, Laser grade II grade	
Screen Display Mode	VA Color Screen	
Overrange Prompt	"HI" or "LO"	
Working Environment Temp.	0°C~50°C (32°F~122°F)	
Working Environment Humidity	$\leq 80\%$ RH Non condensing	
Storage Temp. Range	-20°C~60°C (-4°F~140°F)	

Packaging Information	
Accessories	Manual, 1.5V*2 AAA
Dimension	155*92*42mm
Weight	180g(w/o Battery)
Quantity	60
Color Box	120*50*180mm
Carton Box	530*380*380mm
SKU No.	MS6523BCBGLO
EAN Code	8435394788609

Infrared Thermometer

# MS6523C



- °C / °F Conversion
- Backlight
- Battery: 1.5V AAA\*2

MS6523C

Spec	Range	Accuracy
Temperature Measuring Range	-50°C~900°C	0°C~900°C / $\pm(1.5\%+1^\circ\text{C})$ , -50°C~0°C / $\pm 3^\circ\text{C}$
	-58°F~1652°F	32°F~1652°F / $\pm(1.5\%+5^\circ\text{F})$ , -58°F~32°F / $\pm 5^\circ\text{F}$
Repeatability Accuracy	$\pm 0.5\%$ or $\pm 1^\circ\text{C}$ (2°F)	
Display Resolution	0.1°C (0.1°F)	
Response Time and Wavelength	Less than 500ms / 8~14um	
Emissivity	0.1~1.00 Adjustable(Step size 0.01)	
Measuring Object Distance Ratio	12:1	
Laser Aiming	Less than 1mW / 650nm, Laser grade II grade	
Screen Display Mode	VA Color Screen	
Overrange Prompt	"HI" or "LO"	
Working Environment Temp.	0°C~50°C (32°F~122°F)	
Working Environment Humidity	$\leq 80\%$ RH Non condensing	
Storage Temp. Range	-20°C~60°C (-4°F~140°F)	

Packaging Information	
Accessories	Manual, 1.5V*2 AAA
Dimension	155*92*42mm
Weight	180g(w/o Battery)
Quantity	60
Color Box	120*50*180mm
Carton Box	530*380*380mm
SKU No.	MS6523CCBGLO
EAN Code	8435394788616

**Infrared Thermometer**

**MS6525A**



- °C / °F Conversion
- Backlight
- Screen Display Mode:  
VA Color Screen
- Auto Power Off: 1min
- Drop Test: 1m
- Screen Size: 41\*39mm
- Battery: 9V 6F22 Battery

MS6525A

Spec	Range	Accuracy
Temperature Measuring Range	-32°C~1100°C	800°C Above ±3%, 100°C~800°C/±2%, -32°C~100°C/±2°C
Temperature Measuring Range	-26°F~2012°F	1472°F Above ±3%, 212°F~1472°F/±2%, -26°F~212°F/±4°F
Repeatability Accuracy	±1% or ±1°C (2°F)	
Display Resolution	-32°C~100°C/ 0.1°C,1000°C Above 1°C	
Response Time & Spectral response	<500ms(95% of reading) / 8~14um	
Emissivity	0.1 to 1.00 adjustable in steps of 0.01(default 0.95)	
Opical Resolution	50: 1(Calculated at 90% energy)	
Laser	Wavelength 620~690nm, Output less than 1mW, Laser grade II grade	
Overrange Prompt	"HI" or "LO"	
Operating Temp.	0°C~50°C (32°F~122°F)	
Operating Humidity	≤95%relative humidity(Non condensing)	
Storage Temp.	-20°C~60°C (-4°F~140°F)	

Packaging Information	
Accessories	Carry bag, Manual, 9V Battery*1
Dimension	213*140*60mm
Weight	360g(w/o Battery)
Quantity	10
Color Box	221*90*286mm
Carton Box	590*470*240mm
SKU No.	MS6525ACBGLO
EAN Code	8435394788821

**Infrared Thermometer**

**MS6525B**



- °C / °F Conversion
- Backlight
- Screen Display Mode:  
VA Color Screen
- Auto Power Off: 1min
- Drop Test: 1m
- Screen Size: 41\*39mm
- Battery: 9V 6F22 Battery

MS6525B

Spec	Range	Accuracy
Temperature Measuring Range	-32°C~1400°C	800°C Above ±3%, 100°C~800°C/±2%, -32°C~100°C/±2°C
Temperature Measuring Range	-26°F~2552°F	1472°F Above ±3%, 212°F~1472°F/±2%, -26°F~212°F/±4°F
Repeatability Accuracy	±1% or ±1°C (2°F)	
Display Resolution	-32°C~100°C/ 0.1°C,1000°C Above 1°C	
Response Time & Spectral response	<500ms(95% of reading) / 8~14um	
Emissivity	0.1 to 1.00 adjustable in steps of 0.01(default 0.95)	
Opical Resolution	50: 1(Calculated at 90% energy)	
Laser	Wavelength 620~690nm, Output less than 1mW, Laser grade II grade	
Overrange Prompt	"HI" or "LO"	
Operating Temp.	0°C~50°C (32°F~122°F)	
Operating Humidity	≤95%relative humidity(Non condensing)	
Storage Temp.	-20°C~60°C (-4°F~140°F)	

Packaging Information	
Accessories	Carry bag, Manual, 9V Battery*1
Dimension	213*140*60mm
Weight	360g(w/o Battery)
Quantity	10
Color Box	221*90*286mm
Carton Box	590*470*240mm
SKU No.	MS6525BCBGLO
EAN Code	8435394788838

K/J Thermomrter

# MS6502



- Type: Single Channel
- Screen Size: 37\*41mm
- Battery: 3\*1.5V AAA (R03 / LR03)

MS6502

Spec	Range	Accuracy
Temperature Measuring Range	K-type: -200°C~1372°C (-328°F~2501°F), J-type: -200°C~1372°C (-328°F~2501°F)	±(0.2%+0.7°C)
Resolution	(-100~-200°C) 1°C / 1°F, (-99~999.9°C) 0.1°C / °F, (>1000°C) 1°C / °F	
Ambient Temp.	0°C~60°C	±2°C
Display	4 digits, max 9999	
Upper / Lower Limit Alarm	Default value: 1300°C / Default value: -200°C	
ADJ Compensation	-9°C~9°C	
Sampling Rate	1 time/s	
Auto Power Off	10min.(can be canceled manually)	
Working Environment	-10°C~50°C, max 80%RH, indoor altitude <2000m	
Storage Environment	-10°C~50°C, max 70%RH(Battery removed)	
K Type Temperature probe	Random configuration probe Measurement range: -20°C~200°C (Accuracy ±2.5%)	

Packaging Information	
Accessories	Carry bag, Manual, K Type Temperature probe, 3*1.5V AAA
Dimension	152*55*33mm
Weight	125g(w/o Battery)
Quantity	40
Color Box	89*42*210mm
Carton Box	460*370*230mm
SKU No.	MS6502CBGLO
EAN Code	8435394788623

K/J Thermomrter

# MS6503



- Type: Dual Channel
- Temperature Difference
- Screen Size: 37\*41mm
- Battery: 3\*1.5V AAA (R03 / LR03)

MS6503

Spec	Range	Accuracy
Temperature Measuring Range	K-type: -200°C~1372°C (-328°F~2501°F), J-type: -200°C~1372°C (-328°F~2501°F)	±(0.2%+0.7°C)
Resolution	(-100~-200°C) 1°C / 1°F, (-99~999.9°C) 0.1°C / °F, (>1000°C) 1°C / °F	
Display	4 digits, max 9999	
Upper / Lower Limit Alarm	Default value: 1300°C / Default value: -200°C	
ADJ Compensation	-9°C~9°C	
Sampling Rate	1 time/s	
Auto Power Off	10min.(can be canceled manually)	
Working Environment	-10°C~50°C, max 80%RH, indoor altitude <2000m	
Storage Environment	-10°C~50°C, max 70%RH(Battery removed)	
K Type Temperature probe	Random configuration probe Measurement range: -20°C~200°C (Accuracy ±2.5%)	

Packaging Information	
Accessories	Carry bag, Manual, K Type Temperature probe, 3*1.5V AAA
Dimension	152*55*33mm
Weight	125g(w/o Battery)
Quantity	40
Color Box	89*42*210mm
Carton Box	460*370*230mm
SKU No.	MS6503CBGLO
EAN Code	8435394788630

K/J Thermomrter

# MS6512A



- Type: Single Channel
- Screen Size: 53\*44mm
- Battery: 3\*1.5V AA (LR06) Battery / USB micro interface 5V

MS6512A

Spec	Range	Accuracy
Temperature Measuring Range	K-type: -200°C~1372°C (-328°F~2501°F), J-type: -200°C~1372°C (-328°F~2501°F)	±(0.2%+0.7°C)
Resolution	(-99~999.9°C) 0.1°C/°F, (-100~200°C, ≥1000°C) 1°C/°F	
Upper / Lower Limit Alarm	Default value: 1300°C / Default value: -200°C	
ADJ Compensation	-9°C~9°C Probe error range compensation	
Data logger	9999 groups, Only store thermocouple temp. data(not support ambienit temp, data)	
Ambient Temp.	0°C~60°C	±2°C
Recoording interval time setting	H:M / M:S	
Bracket num	¼inch nut	
Sampling Rate	1 time/s	
Auto Power Off	15min.(can be canceled manually)	
Working Environment	-10°C~50°C, max 80%RH, indoor altitude <2000m	
Storage Environment	-10°C~50°C, max 70%RH(Battery removed)	
K Type Temp. probe	Random configuration probe Measurement range: -50~300°C (Accuracy ±1.5%)	

Packaging Information	
Accessories	Carry bag, Manual, K Type Temperature probe, 3*1.5V AA
Dimension	177*70*35mm
Weight	189g(w/o Battery)
Quantity	40
Color Box	110*60*288mm
Carton Box	630*465*295mm
SKU No.	MS6512ACBGLO
EAN Code	8435394788647

K/J Thermomrter

# MS6512B



- Type: Dual Channel
- Temperature Difference
- Screen Size: 53\*44mm
- Battery: 3\*1.5V AA (LR06) Battery / USB micro interface 5V

MS6512B

Spec	Range	Accuracy
Temperature Measuring Range	K-type: -200°C~1372°C (-328°F~2501°F), J-type: -200°C~1372°C (-328°F~2501°F)	±(0.2%+0.7°C)
Resolution	(-99~999.9°C) 0.1°C/°F, (-100~-200°C, ≥1000°C) 1°C/°F	
Upper / Lower Limit Alarm	Default value: 1300°C / Default value: -200°C	
ADJ Compensation	-9°C~9°C Probe error range compensation	
Data logger	9999 groups, Only store thermocouple temp. data (not support ambient temp, data)	
Ambient Temp.	0°C~60°C	±2°C
Recording interval time setting	H:M / M:S	
Bracket num	¼inch nut	
Sampling Rate	1 time/s	
Auto Power Off	15min.(can be canceled manually)	
Working Environment	-10°C~50°C, max 80%RH, indoor altitude <2000m	
Storage Environment	-10°C~50°C, max 70%RH(Battery removed)	
K Type Temp. probe	Random configuration probe Measurement range: -50~300°C (Accuracy ±1.5%)	

Packaging Information	
Accessories	Carry bag, Manual, K Type Temperature probe, 3*1.5V AA
Dimension	177*70*35mm
Weight	189g(w/o Battery)
Quantity	40
Color Box	110*60*288mm
Carton Box	630*465*295mm
SKU No.	MS6512BCBGLO
EAN Code	8435394788654



K/J Thermomrter

# MS6512C



- Type: Four Channel
- USB Connection
- Screen Size: 53\*44mm
- Battery: 3\*1.5V AA (LR06) Battery / USB micro interface 5V

MS6512C

Spec	Range	Accuracy
Temperature Measuring Range	K-type: -200°C~1372°C (-328°F~2501°F), J-type: -200°C~1372°C (-328°F~2501°F)	±(0.2%+0.7°C)
Resolution	(-99~999.9°C) 0.1°C/°F, (-100~200°C, ≥1000°C) 1°C/°F	
Upper / Lower Limit Alarm	Default value: 1300°C / Default value: -200°C	
ADJ Compensation	-9°C~9°C Probe error range compensation	
Data logger	5000 groups, Only store thermocouple temp. data(not support ambienit temp, data)	
Ambient Temp.	0°C~60°C	±2°C
Recoording interval time setting	H:M / M:S	
Bracket num	¼inch nut	
Sampling Rate	1 time/s	
Auto Power Off	15min.(can be canceled manually)	
Working Environment	-10°C~50°C, max 80%RH, indoor altitude <2000m	
Storage Environment	-10°C~50°C, max 70%RH(Battery removed)	
K Type Temp. probe	Random configuration probe Measurement range: -50~300°C (Accuracy ±1.5%)	

Packaging Information	
Accessories	Carry bag, Manual, K Type Temperature probe, 3*1.5V AA
Dimension	177*70*35mm
Weight	189g(w/o Battery)
Quantity	40
Color Box	110*60*288mm
Carton Box	630*465*295mm
SKU No.	MS6512CCBGL0
EAN Code	8435394788661

Mini Thermo-Hygrometer

# MS6509



- Temperature Measurement
- Humidity Measurement
- LCD
- Backlight
- Max Display: 9999
- Sampling Rate: 0.5Sec
- °C / °F Selection
- MAX / MIN
- Data Hold
- Battery: 1.5V AAA\*3

MS6509

Spec	Range	Accuracy
Temperature Range	0°C~60°C / 32°F~140°F	±1.5°C
Temperature Accuracy	0.1°C / 0.1°F	-
Humidity	0%~100%RH	±6.0%
Humidity Resolution	0.1RH	-

Packaging Information	
Accessories	Manual, 1.5V*3 AAA Battery
Dimension	154*59*30mm
Weight	106g
Quantity	40
Color Box	102*40*190mm
Carton Box	455*410*230mm
SKU No.	MS6509CBGLO
EAN Code	8435394788456

Moisture Meter

# MS6901



- Screen Size: 37\*41mm
- Battery: 3\*1.5V AAA (R03 / LR03)

MS6901

Spec	Range	Accuracy
Measuring Range	0~54.8%RH	
Resolution	0.1%RH	
Measuring Display	4 digits, max 1999	
Test Probe	M3 metric tooth test Pin, external hexagon 5mm	
Accuracy	±1%	
Overload	Hi or LO	
Ambient Temp.	0~60°C	±2°C
Sampling Rate	2 time/s	
Auto Power Off	10min(can be canceled manually)	
Working Environment	-10°C~50°C; max 80%RH, indoor altitude < 2000m	
Storage Environment	-10°C~50°C;max 70%RH(battery removed)	

Packaging Information	
Accessories	Carry bag, Manual, 3*1.5V AAA
Dimension	145*55*33mm
Weight	115g(w/o Battery)
Quantity	40
Color Box	89*42*210mm
Carton Box	460*370*230mm
SKU No.	MS6901CBGLO
EAN Code	8435394788739

Mini LUX Meter

# MS6612A



- LUX Measurement
- Temperature Measurement
- LCD
- Unit Selection
- MAX / MIN
- Data Hold
- Backlight
- Max Display: 9999
- Sampling Rate: 0.5Sec
- Auto Power Off
- Low Battery Indicator
- Battery: 1.5V AAA\*3

MS6612A

Spec	Range	Accuracy
Measuring Range(LUX)	0LUX~200KLUX	±(3.0%+8)
Measuring Range(FC)	0FC~20KFC	±(3.0%+8)
Resolution	1LUX / 1FC	-
Temperature Range	0°C~60°C/ 32°F~140°F	±2.0°C
Temperature Accuracy	0.1°C/ 0.1°F	-

Packaging Information	
Accessories	Manual, 1.5V*3 AAA Battery
Dimension	154*59*30mm
Weight	116g
Quantity	40
Color Box	102*40*190mm
Carton Box	455*410*230mm
SKU No.	MS6612ACBGLO
EAN Code	8435394788470

Digital Light Meter  
**MS6613A**



- Auto Power Off: 15 min (can be canceled manually)
- Sampling Rate: 8 times/s
- Display: 5 digits, max 99999
- Ambient Temp:  $\pm 2\%$
- Light Sensor: Digital Light Probes and Filters
- Screen Size: 53\*44mm
- Battery: 3\*1.5V AA (LR06) Battery

Spec	Range	Accuracy
Measuring Range	0.1~200000LUX	$\pm(3\%+5LUX)$ (calibrated under the standard incandescent lamp at color temperature 2856°F) $\pm(6\%+5LUX)$ other visible light cosine angle deviation feature 30° $\pm 2\%$ 60° $\pm 6\%$ 80° $\pm 25\%$
Measuring Level	999.9 / 99999 / 19999*10 LUX 99.9 / 999.9 / 19999 FC	
Resolution	LUX:< 1000:0.1LUX, $\geq 1000:1LUX$ ; FC:< 100:0.1FC, < 1000:0.1LUX, $\geq 1000:1FC$	
Ambient Temp.	0°C~60°C	$\pm 2^\circ C$
Incident Angle	120°	
Spectral Range	400~700nm	
Working Environment	-10°C~50°C, max 80%RH, Indoor altitude < 2000m	
Storage Environment	-10°C~50°C, max 70%RH(Battery removed)	

Packaging Information	
Accessories	Carry bag, Manual, 3*1.5V AA
Dimension	256*67*35mm
Weight	250g(w/o Battery)
Quantity	40
Color Box	110*60*288mm
Carton Box	630*465*295mm
SKU No.	MS6613ACBGLO
EAN Code	8435394788678

Digital Light Meter  
**MS6613B**



- Auto Power Off: 15 min (can be canceled manually)
- Sampling Rate: 8 times/s
- Display: 5 digits, max 99999
- Ambient Temp:  $\pm 2\%$
- Light Sensor: Digital Light Probes and Filters
- USB Connection
- Screen Size: 53\*44mm
- Battery: 3\*1.5V AA (LR06) Battery / USB micro interface 5V

Spec	Range	Accuracy
Measuring Range	0.1~200000LUX	$\pm(3\%+5LUX)$ (calibrated under the standard incandescent lamp at color temperature 2856°F) $\pm(6\%+5LUX)$ other visible light cosine angle deviation feature $30^\circ \pm 2\%$ $60^\circ \pm 6\%$ $80^\circ \pm 25\%$
Measuring Level	999.9 / 99999 / 19999*10 LUX 99.9 / 999.9 / 19999 FC	
Resolution	LUX:< 1000:0.1LUX, $\geq 1000:1LUX$ ; FC:< 100:0.1FC, < 1000:0.1LUX, $\geq 1000:1FC$	
Ambient Temp.	0°C~60°C	$\pm 2^\circ C$
Incident Angle	120°	
Spectral Range	400~700nm	
Working Environment	-10°C~50°C, max 80%RH, Indoor altitude < 2000m	
Storage Environment	-10°C~50°C, max 70%RH(Battery removed)	

Packaging Information	
Accessories	Carry bag, Manual, 3*1.5V AA
Dimension	256*67*35mm
Weight	250g(w/o Battery)
Quantity	40
Color Box	110*60*288mm
Carton Box	630*465*295mm
SKU No.	MS6613BCBGLO
EAN Code	8435394788685

Mini Anemometer

# MS6652C



- Air Velocity Measurement
- Air Velocity Grade
- Temperature Measurement
- Air Volume Measurement
- LCD
- Max Display: 9999
- Sampling Rate: 0.5Sec
- IEC61672-1 CLASS2
- Data Hold
- Backlight
- Auto Power Off
- Low Battery Indicator
- Battery: 1.5V AAA\*3

Spec	Range	Accuracy
Air Velocity Range	0.4~30.0m/S	±3%+0.3m/S
	1.4~108km/h	±3%+1.0km/h
	0.9~67.0mph	±3%+0.4mph
	0.8~58.0knots	±3%+0.4knots
Resolution	80~590ft/min	±3%+40ft/min
	0.1m/S, 0.1km/h, 0.1mph, 0.1knots, 1.0ft/min	
Air Velocity Grade	0~12 /±1	-
Air Volume Measurement	CMM / CFM / 0~9999	-
Temperature Range	0°C~60°C / 32°F~140°F	±1.5°C
Temperature Accuracy	0.1°C/ 0.1°F	-

Packaging Information	
Accessories	Manual, 1.5V*3 AAA Battery
Dimension	154*59*30mm
Weight	108g
Quantity	40
Color Box	102*40*190mm
Carton Box	455*410*230mm
SKU No.	MS6652CCBGLO
EAN Code	8435394788449

Digital Anemometer

# MS6253A



- **Measurement Method:** Integtal Type
- **Auto Power Off:** 15 min (can be canceled manually)
- **Sampling Rate:** 2 time/s
- **Display:** 4 digits, max 9999
- **Ambient Temp:** ±2%
- **Data Logger:** 1000groups
- **Senor:** Infrared Laser Tube Cutting Method
- **Screen Size:** 53\*44mm
- **Battery:** 3\*1.5V AA (LR06) Battery / USB micro interface 5V

Spec	Range	Accuracy
Air Velocity Range	0.06~45.0m/s	±0.2+(±2% reading)
	1.0~162.0Km/h	±0.7+(±2% reading)
	10~8858ft/m	±20+(±2% reading)
	1.0~147.6ft/s	±0.2+(±2% reading)
	1.0~100.6mile/h	±0.2+(±2% reading)
	0.1~84.48Knots	±0.2+(±2% reading)
Resolution	0.001 / 0.1 / 1	
Bft	0~12	
Air Volume Measurement	CFM 0~9999ft <sup>3</sup> / min	
	CMM 0~9999m <sup>3</sup> / min CMS 0~9999m <sup>3</sup> / s	
Resolution	0.001~100	
Air Temperature	0°C~45°C (32.0°F~113.0°F)	±2°C (±3.6°F)
Resolution	0.1 / 1	
Synchronous Update	Refer to PC information for program update	
Working Environment	-10°C~50°C; max 80%RH, indoor altitude <2000m	
Storage Environment	-10°C~50°C, max 70%RH(Battery removed)	

Packaging Information	
Accessories	Carry bag, Manual, USB Cable, 3*1.5V AAA
Dimension	239*73*35mm
Weight	210g(w/o Battery)
Quantity	40
Color Box	110*60*288mm
Carton Box	630*465*295mm
SKU No.	MS6253ACBGLO
EAN Code	8435394788692



Digital Anemometer

# MS6253B



- **Measurement Method:** Integtal Type
- **Auto Power Off:** 15 min (can be canceled manually)
- **Sampling Rate:** 2 time/s
- **Display:** 4 digits, max 9999
- **Ambient Temp:** ±2%
- **Data Logger:** 1000groups
- **Senor:** Infrared Laser Tube Cutting Method
- **USB Connection**
- **Screen Size:** 53\*44mm
- **Battery:** 3\*1.5V AA (LR06) Battery / USB micro interface 5V

Spec	Range	Accuracy
Air Velocity Range	0.06~45.0m/s	±0.2+(±2% reading)
	1.0~162.0Km/h	±0.7+(±2% reading)
	10~8858ft/m	±20+(±2% reading)
	1.0~147.6ft/s	±0.2+(±2% reading)
	1.0~100.6mile/h	±0.2+(±2% reading)
	0.1~84.48Knots	±0.2+(±2% reading)
Resolution	0.001 / 0.1 / 1	
Bft	0~12	
Air Volume Measurement	CFM 0~9999ft <sup>3</sup> / min	
	CMM 0~9999m <sup>3</sup> / min	
	CMS 0~9999m <sup>3</sup> / s	
Resolution	0.001~100	
Air Temperature	0°C~45°C (32.0°F~113.0°F)	±2°C (±3.6°F)
Resolution	0.1 / 1	
Synchronous Update	Refer to PC information for program update	
Working Environment	-10°C~50°C; max 80%RH, indoor altitude <2000m	
Storage Environment	-10°C~50°C, max 70%RH(Battery removed)	

Packaging Information	
Accessories	Carry bag, Manual, USB Cable, 3*1.5V AA
Dimension	239*73*35mm
Weight	210g(w/o Battery)
Quantity	40
Color Box	110*60*288mm
Carton Box	630*465*295mm
SKU No.	MS6253BCBGLO
EAN Code	8435394788708

Mini Sound Level Meter

# MS6702A



- Loudness Measurement
- Temperature Measurement
- MAX / MIN
- Data Hold
- Backlight
- Battery: 1.5V AAA\*3

MS6702A

Spec	Range	Accuracy
Level Range	35~135dB	±2dB
Resolution	0.1dB	-
Frequency Weighting	A	-
Frequency	31.5Hz~8KHz	-
Dynamic Range	50dB	-
Time Weighting	FAST : 125ms / SLOWS : 1s	-
Temperature Range	0°C~60°C / 32°F~140°F	-
Temperature Accuracy	0.1°C / 0.1°F	±1.5°C

Packaging Information	
Accessories	Manual, 1.5V*3 AAA Battery
Dimension	147*59*30mm
Weight	108g
Quantity	40
Color Box	102*40*190mm
Carton Box	455*410*230mm
SKU No.	MS6702ACBGLO
EAN Code	8435394788463

Digital Sound Level Meter  
**MS6703A**



- Data Hold
- Auto Power Off
- Sampling Rate: 2 time/s
- Data Logger: 1999 groups
- Screen Size: 53\*44mm
- Battery: 3\*1.5V AA (LR06) Battery / USB micro interface 5V

MS6703A

Spec	Range	Accuracy
Micro Phone	High precision 1 / 2 inch micro phone	
Range	30~130dB	
Measuring Level	30~70dB, 60~90dB, 80~110dB, 100~130dB	
Accuracy	±1.5dB(sound pressure reference 94dB@1kHz)	
Frequency Weighting	A / C Weighting	
Time Weighting	FAST 0.125 Sec / SLOW 1 Sec	
Frequency Response	31.5Hz~8KHz	
Analog Bar	One scale represents 1dB	
Ambient Temp.	0~60°C	±2°C
Overload	OVER "Hi", UNDER "LO"	
Synchronous Update	Refer to PC information for program update	
Auto Power Off	15min.(can be canceled manually)	
Working Environment	-10°C~50°C; max 80%RH, indoor altitude < 2000m	
Storage Environment	-10°C~50°C;max 70%RH(battery removed)	

Packaging Information	
Accessories	Carry bag, Manual, USB Cable, 3*1.5V AA
Dimension	229*70*35mm
Weight	215g(w/o Battery)
Quantity	40
Color Box	110*60*288mm
Carton Box	630*465*295mm
SKU No.	MS6703ACBGLO
EAN Code	8435394788715

**Digital Sound Level Meter**

**MS6703B**



- Sampling Rate: 2 time/s
- Data Logger: 1999 groups
- Screen Size: 53\*44mm
- Battery: 3\*1.5V AA (LR06) Battery / USB micro interface 5V

Spec	Range	Accuracy
Micro Phone	High precision 1 / 2 inch micro phone	
Range	30~130dB	
Measuring Level	30~70dB, 60~90dB, 80~110dB, 100~130dB	
Accuracy	±1.5dB(sound pressure reference 94dB@1kHz)	
Frequency Weighting	A / C / Z Weighting	
Time Weighting	FAST 0.125 Sec / SLOW 1 Sec	
Frequency Response	31.5Hz~8KHz	
Analog Bar	One scale represents 1dB	
Ambient Temp.	0~60°C	±2°C
Overload	OVER "Hi", UNDER "LO"	
Analog Signal Output	AC / DC signal is output by the headphone jack socket: AC=100Vrms, DC=10mV/db	
Synchronous Update	Refer to PC information for program update	
Auto Power Off	15min.(can be canceled manually)	
Working Environment	-10°C~50°C; max 80%RH, indoor altitude < 2000m	
Storage Environment	-10°C~50°C;max 70%RH(battery removed)	

Packaging Information	
Accessories	Carry bag, Manual, USB Cable, 3*1.5V AA
Dimension	229*70*35mm
Weight	215g(w/o Battery)
Quantity	40
Color Box	110*60*288mm
Carton Box	630*465*295mm
SKU No.	MS6703BCBGLO
EAN Code	8435394788722

**Gas Leak Detector**

# MS6311A



- Screen Size: 53\*44mm
- Battery: 3.7V / 1000mAh  
 Li Battery / USB micro  
 interface(DC 5V / 1A)

MS6311A

Spec	Range	Accuracy
Range	%LEL: 0~20%, PPM: 0~9999PPM	
Resolution	%LEL: 0~20%(0.1), PPM: 0~999PPM(0.1), 1000~999PPM(1)	±10% F.S(CH4)
Display Mode	Analog Bar	
Sensitivity	50PPM(CH4)	
Alarm Mode	Display, Sound & Light alarm	
Auto Zero	Auto-zero during warm-up process(in clean air)	
Sensor	Semiconductor sensor	
Auto Power Off	15mins(can be canceled)	
Detectable Gas	Acetone, Acetylene, Alcohol, Ammonia, Benzene, Butane, Ethanol, Oxirane, Gasoline, Hexane, Hydrogen, Methane, Naphtha, Natural Gas, Paint Thinner, Propane, Solvent and etc.	
Working Environment	-10°C~50°C, max 80%RH, indoor altitude <2000m	
Storage Environment	-10°C~50°C, max 70%RH(battery removed)	
Gooseneck Length	Approx. 20cm	

Packaging Information	
Accessories	Carry bag, Manual, USB Cable
Dimension	192*70*35mm
Weight	275g(w/o Battery)
Quantity	40
Color Box	146*42*252mm
Carton Box	525*440*310mm
SKU No.	MS6311ACBGLO
EAN Code	8435394788746

Gas Leak Detector

# MS6311B



- Screen Size: 53\*44mm
- Battery: 3.7V / 1000mAh  
Li Battery / USB micro  
interface(DC 5V / 1A)

MS6311B

Spec	Range	Accuracy
Range	%LEL: 0~20%, PPM: 0~9999PPM	
Resolution	%LEL: 0~20%(0.1), PPM: 0~999PPM(0.1), 1000~999PPM(1)	±10% F.S(CH4)
Display Mode	Analog Bar	
Sensitivity	50PPM(CH4)	
Alarm Mode	Display, Sound & Light alarm	
Auto Zero	Auto-zero during warm-up process(in clean air)	
Sensor	Semiconductor sensor	
Ambient Temp.	0~60°C	±2°C
Auto Power Off	15min(can be canceled manually)	
Detectable Gas	Acetone, Acetylene, Alcohol, Ammonia, Benzene, Butane, Ethanol, Oxirane, Gasoline, Hexane, Hydrogen, Methane, Naphtha, Natural Gas, Paint Thinner, Propane, Solvent and etc.	
Working Environment	-10°C~50°C, max 80%RH, indoor altitude <2000m	
Storage Environment	-10°C~50°C, max 70%RH(battery removed)	
Gooseneck Length	Approx. 20cm	

Packaging Information	
Accessories	Carry bag, Manual, USB Cable
Dimension	192*70*35mm
Weight	275g(w/o Battery)
Quantity	40
Color Box	146*42*252mm
Carton Box	525*440*310mm
SKU No.	MS6311BCBGLO
EAN Code	8435394788753

Socket Tester

# MS6861A



- Leakage Test Voltage Range: AC 220V±20V
- Socket Specification: CHN plug, UK plug, EU plug, US plug

MS6861A

Spec	Range	Accuracy
AC Voltage	175~250V / 50~60Hz	±(2.0%+2)
Working Temperature	0~40°C	
Working Humidity	20%~75%RH	
Storage Temperature	-10°C~50°C	
Storage Humidity	20%~80%RH	
Altitude	≤2000 meters	
Leakage Test Current	>30mA	

Packaging Information	
Accessories	Manual
Dimension	87*58*63mm
Weight	90g
Quantity	100
Color Box	98*72*78mm
Carton Box	510*310*415mm
SKU No.	MS6861ACBGLO
EAN Code	8435394788784

Voice Type Socket Tester

# MS6862A



- Leakage Test Voltage Range: AC 220V±20V
- Socket Specification: CHN plug, UK plug, EU plug, US plug
- Voice Broadcast

MS6862A

Spec	Range	Accuracy
AC Voltage	175~250V / 50~60Hz	±(2.0%+2)
Working Temperature	0~40°C	
Working Humidity	20%~75%RH	
Storage Temperature	-10°C~50°C	
Storage Humidity	20%~80%RH	
Altitude	≤2000 meters	
Leakage Test Current	>30mA	

Packaging Information	
Accessories	Manual
Dimension	87*58*63mm
Weight	90g
Quantity	100
Color Box	98*72*78mm
Carton Box	510*310*415mm
SKU No.	MS6862ACBGLO
EAN Code	8435394788791



Voice Type Socket Tester

# MS6862B



- Leakage Test Voltage Range: AC 220V±20V
- Socket Specification: CHN plug, UK plug, EU plug, US plug
- Voice Broadcast

MS6862B

Spec	Range	Accuracy
AC Voltage	175~250V / 50~60Hz	±(2.0%+2)
Working Temperature	0~40°C	
Working Humidity	20%~75%RH	
Storage Temperature	-10°C~50°C	
Storage Humidity	20%~80%RH	
Altitude	≤2000 meters	
Leakage Test Current	>30mA	

Packaging Information	
Accessories	Manual
Dimension	87*58*63mm
Weight	90g
Quantity	100
Color Box	98*72*78mm
Carton Box	510*310*415mm
SKU No.	MS6862BCBGLO
EAN Code	8435394788807

Display Type Socket Tester

# MS6863A



- Leakage Test Voltage Range: AC 220V±20V
- Socket Specification: CHN plug, UK plug, EU plug, US plug
- LCD Panel diagram

MS6863A

Spec	Range	Accuracy
AC Voltage	175~250V / 50~60Hz	±(2.0%+2)
Working Temperature	0~40°C	
Working Humidity	20%~75%RH	
Storage Temperature	-10°C~50°C	
Storage Humidity	20%~80%RH	
Altitude	≤2000 meters	
Leakage Test Current	>30mA	

Packaging Information	
Accessories	Manual
Dimension	87*58*63mm
Weight	90g
Quantity	100
Color Box	98*72*78mm
Carton Box	510*310*415mm
SKU No.	MS6863ACBGLO
EAN Code	8435394788814

Tachometer

# MS6208C



- Screen Size: 37\*41mm
- Battery: 1.5V(R03 / LR03) AAA\*3

MS6208C

Spec	Range	Accuracy
Range	2.5RPM~99999RPM(rpm / mins)	
Resolution	2.5RPM~999RPM(0.1RPM), 1000RPM above(1RPM)	
Display	6 digits, max 999999	
Accuracy	±(0.05%+1)	
Effective Distance	50mm~500mm	
Ambient Temp.	0~60°C	±2°C
Sampling Rate	Approx. 0.8s(over 60 rpm / min)	
Auto Power Off	10 mins(can be canceled)	
Working Environment	-10°C~50°C, max 80%RH, indoor altitude <2000m	
Storage Environment	-10°C~50°C, max 70%RH(battery removed)	

Packaging Information	
Accessories	Carry bag, Manual, Reflective tape*2, 1.5V AAA*3
Dimension	152*55*33mm
Weight	125g(w/o Battery)
Quantity	40
Color Box	89*42*210mm
Carton Box	450*380*230mm
SKU No.	MS6208CCBGLO
EAN Code	8435394788852

Laser Distance Meter

# MS6406A



- Single Distance Measurement
- MAX / MIN
- Continuous
- Area / Volume / Pythagorean Measurement
- Addition / Subtract
- Unit Switch
- Measurement Benchmark Switch
- Sound
- Data Clearance
- Error Codes
- Battery Status
- Data Storage 99 Groups
- Battery: 3\*1.5V AAA

Spec	Range
Range	0.05m~60m
Accuracy	±2.0mm
Measurement Unit	m, ft, in
Area Unit	m <sup>2</sup> , ft <sup>2</sup> , in <sup>2</sup>
Laser Type	620~690nm
Laser Class	Class II, <1mW
Single Measurement Time	0.25s
Working Temperature	0~+40°C
Storage Temperature	-10~+50°C
Battery Type	Alkaline AAA, 3*1.5V
Number of Measurement Per Battery Pack	Approx. 5000
Automatic Laser Shut Down	After 30s
Automatic Device Shut Down	After 180s

Packaging Information	
Accessories	Strip, Manual, 1.5V AAA*3
Dimension	120*48*24 mm
Weight	Approx. 85g
Quantity	50
Color Box	75*55*155mm
Carton Box	410*325*305mm
SKU No.	MS6406ACBGL0
EAN Code	8435394788982

Laser Distance Meter

# MS6408A



- Single Distance Measurement
- MAX / MIN
- Continuous
- Area / Volume / Pythagorean Measurement
- Addition / Subtract
- Unit Switch
- Measurement Benchmark Switch
- Sound
- Data Clearance
- Error Codes
- Battery Status
- Data Storage 99 Groups
- Battery: 3\*1.5V AAA

Spec	Range
Range	0.05m~80m
Accuracy	±2.0mm
Measurement Unit	m, ft, in
Area Unit	m <sup>2</sup> , ft <sup>2</sup> , in <sup>2</sup>
Laser Type	620~690nm
Laser Class	Class II, <1mW
Single Measurement Time	0.25s
Working Temperature	0~+40°C
Storage Temperature	-10~+50°C
Battery Type	Alkaline AAA, 3*1.5V
Number of Measurement Per Battery Pack	Approx. 5000
Automatic Laser Shut Down	After 30s
Automatic Device Shut Down	After 180s

Packaging Information	
Accessories	Strip, Manual, 1.5V AAA*3
Dimension	120*48*24 mm
Weight	Approx. 85g
Quantity	50
Color Box	75*55*155mm
Carton Box	410*325*305mm
SKU No.	MS6408ACBGL0
EAN Code	8435394788999

Laser Distance Meter

# MS6410A



- Single Distance Measurement
- MAX / MIN
- Continuous
- Area / Volume / Pythagorean Measurement
- Addition / Subtract
- Unit Switch
- Measurement Benchmark Switch
- Sound
- Data Clearance
- Error Codes
- Battery Status
- Data Storage 99 Groups
- Battery: 3\*1.5V AAA

Spec	Range
Range	0.05m~100m
Accuracy	±2.0mm
Measurement Unit	m, ft, in
Area Unit	m <sup>2</sup> , ft <sup>2</sup> , in <sup>2</sup>
Laser Type	620~690nm
Laser Class	Class II, <1mW
Single Measurement Time	0.25s
Working Temperature	0~+40°C
Storage Temperature	-10~+50°C
Battery Type	Alkaline AAA, 3*1.5V
Number of Measurement Per Battery Pack	Approx. 5000
Automatic Laser Shut Down	After 30s
Automatic Device Shut Down	After 180s

Packaging Information	
Accessories	Strip, Manual, 1.5V AAA*3
Dimension	120*48*24 mm
Weight	Approx. 85g
Quantity	50
Color Box	75*55*155mm
Carton Box	410*325*305mm
SKU No.	MS6410ACBGLO
EAN Code	8435394789002

**Laser Distance Meter**

# MS6406B



- Single Distance Measurement
- MAX / MIN
- Continuous
- Area / Volume / Pythagorean Measurement
- Addition / Subtract
- Unit Switch
- Measurement Benchmark Switch
- Voice broadcast
- Electronic Level Display
- Data Clearance
- Error Codes
- Battery Status
- Data Storage 99 Groups
- Battery: 3\*1.5V AAA

Spec	Range
Range	0.05m~60m
Accuracy	±2.0mm
Measurement Unit	m, ft, in
Area Unit	m <sup>2</sup> , ft <sup>2</sup> , in <sup>2</sup>
Laser Type	620~690nm
Laser Class	Class II, <1mW
Single Measurement Time	0.25s
Working Temperature	0~+40°C
Storage Temperature	-10~+50°C
Battery Type	3*1.5V AAA
Number of Measurement Per Battery Pack	Approx. 1000
Automatic Laser Shut Down	After 30s
Automatic Device Shut Down	After 180s

Packaging Information	
Accessories	Strip, Manual, USB cable, 1.5V AAA*3
Dimension	130*59*28 mm
Weight	Approx. 120g
Quantity	50
Color Box	75*55*155mm
Carton Box	410*325*305mm
SKU No.	MS6406BCBGLO
EAN Code	8435394789019

Laser Distance Meter

# MS6408B



- Single Distance Measurement
- MAX / MIN
- Continuous
- Area / Volume / Pythagorean Measurement
- Addition / Subtract
- Unit Switch
- Measurement Benchmark Switch
- Voice broadcast
- Electronic Level Display
- Data Clearance
- Error Codes
- Battery Status
- Data Storage 99 Groups
- Battery: 3\*1.5V AAA

Spec	Range
Range	0.05m~80m
Accuracy	±2.0mm
Measurement Unit	m, ft, in
Area Unit	m <sup>2</sup> , ft <sup>2</sup> , in <sup>2</sup>
Laser Type	620~690nm
Laser Class	Class II, <1mW
Single Measurement Time	0.25s
Working Temperature	0~+40°C
Storage Temperature	-10~+50°C
Battery Type	3*1.5V AAA
Number of Measurement Per Battery Pack	Approx. 1000
Automatic Laser Shut Down	After 30s
Automatic Device Shut Down	After 180s

Packaging Information	
Accessories	Strip, Manual, USB cable, 1.5V AAA*3
Dimension	130*59*28 mm
Weight	Approx. 120g
Quantity	50
Color Box	75*55*155mm
Carton Box	410*325*305mm
SKU No.	MS6408BCBGLO
EAN Code	8435394789026



**Laser Distance Meter**

# MS6410B



- Single Distance Measurement
- MAX / MIN
- Continuous
- Area / Volume / Pythagorean Measurement
- Addition / Subtract
- Unit Switch
- Measurement Benchmark Switch
- Voice broadcast
- Electronic Level Display
- Data Clearance
- Error Codes
- Battery Status
- Data Storage 99 Groups
- Battery: 3\*1.5V AAA

Spec	Range
Range	0.05m~100m
Accuracy	±2.0mm
Measurement Unit	m, ft, in
Area Unit	m <sup>2</sup> , ft <sup>2</sup> , in <sup>2</sup>
Laser Type	620~690nm
Laser Class	Class II, <1mW
Single Measurement Time	0.25s
Working Temperature	0~+40°C
Storage Temperature	-10~+50°C
Battery Type	3*1.5V AAA
Number of Measurement Per Battery Pack	Approx. 1000
Automatic Laser Shut Down	After 30s
Automatic Device Shut Down	After 180s

Packaging Information	
Accessories	Strip, Manual, USB cable, 1.5V AAA*3
Dimension	130*59*28 mm
Weight	Approx. 120g
Quantity	50
Color Box	75*55*155mm
Carton Box	410*325*305mm
SKU No.	MS6410BCBGLO
EAN Code	8435394789033

# MASTECH®

## 华仪仪表



### **MGL Global Solutions (China) Company Limited**

R72 Puxing East Road, Qingxi,  
Dongguan, Guangdong, China  
400-099-1987  
cs@mastech.cn

[www.mastech-group.com](http://www.mastech-group.com)



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