



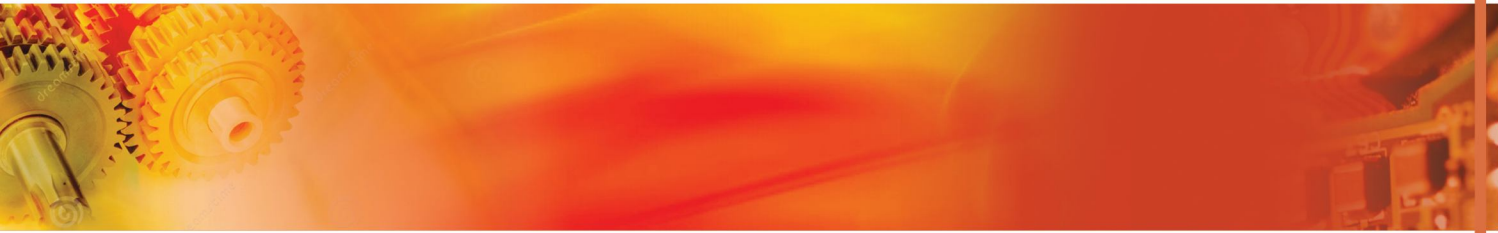
2015 Version 10
Instrumentations
tools Catalog

MarMonix^{CE}

total
Instrumentations
solution under one roof



www.marmonix.co



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and more **Information**

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About us

about us

MARMONIX with several years' experience and having expert worldwide Personnel has a strong presence in the electrical, construction, manufacturing, plant/MRO, process and automation, environmental, electronics/testing, and field service/maintenance sectors worldwide. .

If you expect the highest quality out of your work, you need the highest quality and most accurate measurement equipment on the market. With Equipment from the leading brands in the market, you can trust all of MARMONIX products are rugged and long- lasting instruments that will hold up in this field.

ISO 9001:2008, ISO10004 and CE, MARMONIX's enviable reputation is built on innovative products that offer unique and patented designs with features, functions and reliability at an affordable price.

Our mission

Our mission is to satisfy the needs of our customers more and surpass their expectations better each time we try. The organization is consistently endeavoring to achieve optimum results from its various businesses in worldwide.

The key areas of Marmonix Corporation

- Marmonix provides the most competitive rates and good quality.
- Marmonix has strong stock for anytime and offer the shortest delivery time.
- Marmonix accept any quantity orders for wholesalers.
- Marmonix offers the best after- sale service and at least 1 year guarantee for all of products.
- Marmonix Provides the lowest shipping cost Via Fedex, DHL, Aramex, Skyex and UPS.
- Marmonix has super customer support and timely after-sale service.

OVERVIEW

Objective

"To supply our customers with the highest quality products and provide outstanding levels of sales and delivery service, incapable of being matched by our competitors, and thereby increasing our market share."

"To design and manufacture our products in the most cost-efficient manner for timely distribution to our national network of suppliers."

"To undertake a new and rigorous research and development program aimed at developing a new line of products geared toward the Tools market."

Global Sales Network

MARMONIX has been working to build a sales network supporting world markets in order to globalize its business

Following up on the establishment of MARMONIX Corporation (Canada), we have continued to expand to local markets by establishing sales companies in U.A.E, China, India and Pakistan.

One of the roles of these local sales companies is to accurately assess local market needs and provide feedback to the new product development process. The appearance of MARMONIX electrical measuring instruments is constantly changing with the times, and the pace of that change continues to increase. As the economy becomes increasingly globalized, the importance of developing nations in the world economy is also evident. We will continue to use information from these markets to develop new products that meet the needs of world markets.

Production and Quality Assurance system

we have integrated our service business into manufacturing operations as our vertically integrated approach, which extends from new product manufacturing to repair and calibration, continues to evolve into a system capable of providing total service to customers and bringing market feedback to bear on the new product development process.

Double Temperature (in-outdoor) Hygrometer

MHT-350

This instrument displays Time (12/24 hour clock), Temperature (C or F), and Relative Humidity % simultaneously. The housing can be wall mounted or placed on a table-top using the built-in tilt stand. Features include MIN/MAX displays and programmable Alarm Clock. Careful use of this device will provide years of reliable service.

Features:

1. Environment Comfort Display: COMFORT, WET, DRY
2. Time/Temperature/Humidity display
3. °C/°F Temperature units the way self-locking switch show
4. Highest/Lowest Temperature and Humidity memory function
5. Calendar shows the whole point timekeeping, daily alarm functions, 12/24 hour clock

Specification:

Outdoor temperature measuring range	-50~70°C/-58~158°F
Indoor temperature measuring range	0~50°C/32~122°F
Use the ambient temperature range	0~50°C/32~122°F
Temperature (in-outdoor) measurement accuracy	1.8°F(±1°C) [+32°F (0°C)~+104°F(40°C)]
Temperature (in-outdoor) display resolution:	0.1°F(0.1°C)
Humidity measuring range	10%~99%RH
Humidity measuring accuracy	±3%(50%~80%)±5% (10%~50%, 80%~99%).
Humidity display resolution	1%



Waterproof Folding Thermometer

MST-325

The thermometer is a waterproof folding thermometer which offers handy, practical and strong support when carrying out temperature measurements. The thermometer is ideally suited to core temperature measurement thanks to a robust metal folding joint and a long, stable measurement probe. The thermometer features IP67 class protection and can be used under all conditions. It can also be easily cleaned under running water and has a rubber-coated surface for non-slip handling. The thermometer has a large, illuminated display for easy and error-free viewing of measurement data under poor lighting conditions.



Features:

1. Wide range: -50 to +300 °C (-58 to 572 °F)
2. Max. Min. HOLD modes
3. Automatic Power Off
4. Compact 5.9" size (15cm)
5. IP67 waterproof Protection
6. Non-slip rubber coated surface
7. Ideally suited to core temp. measurements
8. Large, illuminated readout display
9. HACCP approved

Specification:

Measurement Unit:	Temperature (°C/ °F)
1. Sensor type:	NTC
2. measuring range:	-50 to +300 °C (-58 to +572 °F)
Accuracy:	±2 °C (-50 to -20 °C)
	±1.0 °C (-20 to +100 °C)
	±1% (+100 to +300 °C)
	±3.6 °F (-58 to -4 °F)
	±1.8 °F (-4 to +212 °F)
Resolution:	±1% (+212 to +572 °F)
	0.1 °C (-50 to 199 °C)
	1 °C (200 to 300 °C)
	0.1 °F(-58 to 199 °F)
	1 °F (200 to 572 °F)
Operating temperature:	0 to +60 °C (32 to +140 °F)
Storage temperature:	-30 to +70 °C(-22 to +158 °F)
Battery type:	2xBattery Type AAABattery
life:	100h(typical)
Size(HxWxD)	(Probe folded out):250x56x24.5mm
Display:	LCD 1-line back light illuminated
	OL showed when over range

CFM/CMM Thermo-Anemometer with IR temperature

Features:

- **HOLD** (top of LCD): Data Hold function engaged for the Air Temperature function
- **VEL**: indicates that meter is in air velocity mode
- **FLOW**: indicates that meter is in air flow mode
- **°C / °F**: Temperature units of measure
- **CFM/CMM**: airflow units of measure
- **Ft², m²**: units for area dimensions
- **m/s, ft/min, km/h, MPH, knots**: air velocity units of measure
- **AVG**: air averaging mode
- Low battery indicator

Specification:

	Range	Resolution	Accuracy
m/s (meters per sec)	0.40 - 30.00 m/s	0.01 m/s	± (3%rdg + 0.20 m/s)
km/h (kilometers/hour)	1.4 - 108.0 km/h	0.1 km/h	± (3%rdg + 0.8 km/hr)
ft/min (feet per minute)	80 - 5900 ft/min	1 ft/min	± (3%rdg + 40 ft/m)
mph (miles per hour)	0.9 - 67.0 mph	0.1 mph	± (3%rdg + 0.4 mph)
knots (nautical MPH)	0.8 to 58.0 knots	0.1 knots	± (3%rdg + 0.4 knots)
	Range	Resolution	Area
CMM(cubic met./min)	0-999900 m ³ /min	.1	'0 to 999.9m ²
CFM (cubic ft/min)	0-999900 ft ³ /min	.1	0 to 999.9ft ²
Air Temperature	Range	Resolution	Accuracy
	14 - 140°F (-10 - 60°C)	0.1°F/C	4.0°F (2.0°C)
Infrared Temperature	Range	Resolution	Accuracy
	-58 to -4°F (-50 to -20°C)	1°F/C	±9.0°F (5.0°C)
	-4 to 500°F (-20 to 260°C)		-2% reading or -4°F (2°C)
			whichever is greater

MAN-745

The CFM/CMM Thermo Anemometer with Infrared Thermometer measures Air Velocity, Air Flow (volume), Air Temperature (with probe) and Surface Temperature (with the Infrared function). The large, easy-to-read backlit LCD includes primary and secondary displays plus numerous status indicators. The Infrared feature includes a laser pointer for convenient targeting. In addition, the meter can store 16 area setting dimension for easy recall. Proper use of this meter will provide years of reliable service.



Accessories:

9V battery

Soft case.

Thermocouple Thermometer



Accessories:

- 9V battery, Type K temperature probe and Soft case.

MTT-302

The MTT-302 (dual input) contact thermometer offers fast response and laboratory accuracy. These thermometers work with K-type thermocouples and offer 0.1 °C/0.1 °F resolution.

Features:

1. Large backlit dual display shows any combination of T1, T2, T1-T2 plus MAX, MIN, AVG
2. Relative time clock on MAX MIN and AVG provides a time reference for major events
3. Electronic Offset function allows compensation of thermocouple errors to maximize overall accuracy.
4. Readout in °C, °F, or Kelvin(K)
5. Auto Power Off mode (**Sleep mode**) increases battery life.

Specification:

General Specification:

K type thermocouples	-200°C to 1372°C (-328°F to 2501°F)
Operating Temperature	0 °C to +50 °C (4 °F to +122 °F) Noncondensing
T1-T2	0.5%rgd+1°C(1.8 °F)]
Display Resolution	0.1°C / °F / K <1000 ° 1°C / °F / K <1000°C
T1, T2 Above -100 °C (-148 °F)	0.15%rgd+1°C(1.8 °F)]
T1, T2 Blow -100 °C (-148 °F)	0.5%rgd+2°C(3.6 °F)]
Storage Temperature	-10 °C to +50 °C(14 °F to +122 °F)
Battery	9V
Dimensions(without holster)	165mm×76mm×43mm

Non-Contact Forehead InfraRed Thermometer

MIB-393

Non-Contact Forehead IR Thermometer is specially designed to take the body temperature of a person regardless of room temperature.

Depending on various skin types and thickness, there may be temperature difference

Features:

- Precise non-contact forehead temperature measurements
- Selectable °C or °F & forehead heat detection
- Selectable Body and Surface temperature
- Set alarm value
- Memorization of the last 32 measurements
- Automatic Data Hold & Auto power off
- Automatic selection range
- Display Resolution 0.1°C (0.1°F)
- Backlight LCD display

Specification:

Range (In body mode)	32.0°C to 42.5 °C / 89.6°F to 108.5°F
Range (In Surface mode)	0°C to 60°C / 32°F to 140°F
Resolution	0.1°C / 0.1°F
Measuring distance	5-15CM
accuracy	±0.3°C / ±0.54°F



Accessories:

9V Battery, Carrying case and Clamshell

Dual Laser Infrared Thermometer



Accessories:

9V Battery, Soft case

MIT-364

Mit-364 can measure the environment temperature, humidity and dew point temperature by one infrared sensor and another humidity sensor can be used in the place of wall, carpet, warehouse and so on for finding the place of mildew, high or low temperature.

- Red, green and blue LED, changing indicative automatically according to the measuring result.

Features:

1. User selectable °C or °F
2. Dual laser targeting
3. Automatic data hold
4. Auto power off
5. Blue backlit LCD display
6. Over range indication
7. Trigger lock for continuous use
8. Max display

Specification:

Temperature range	(-50 to 380) ° / (-58 to 716) °F
Resolution	0.1
Emissivity	Fixed at 0.95
Temperature accuracy	(-50to20) °C/(-58to32) °F ±3.5 °C (20to380) °C/(32to716) °F 1%±1.5 °C
Wavelength range	8-14um
Humidity range	0-100%RH
Humidity accuracy	±3.5%(20% to 80%)
Dew point temperature	(-30 to 100) °C/(-22 to 212) °F
D:S	20:1
Operating temp.	0 to 50 °C(32 to 122 °F)
Storage temp.	-10 to 60 °C(-4 to 140 °F)
Relative humidity	10%~90%RH operating, <80%RH storage

Mini Infrared Thermometer

MIT-367

This Infrared thermometers measure the surface temperature of an object. The unit's optics sense emitted, reflected, and transmitted energy, which is collected and focused onto a detector. The unit's electronics translate the information into a temperature reading which is display on the unit. In units with a laser, the laser is used for aiming purposes only.

Features:

- Precise non-contact measurements
- Built in laser pointer
- User selectable °C or °F
- MAX/MIN temperature displays
- Trigger lock
- Automatic Data Hold & Auto power off
- Automatic selection range and Display Resolution 0.1°C(0.1°F)
- The meter at 8 inches away measure 1 inch target
- Backlight LCD display

Specification:

Range	-50°C to 500°C
	-58°F to 932°F
Basic Accuracy	-50°C to 0°C (-58°F to 32°F)
	±4°C/±7°F
	0°C to 500°C (32°F to 932°F)
	±2% of reading ±2°C/±4°F
Resolution	0.1°C/°F
Response Time	Less than 1s
Optical Resolution	8:1 Distance to Spot size
Emissivity	Fixed at 0.95



Accessories:

- 9V Battery, Carrying case,
- Type K Temperature Prob, RF Transmitter
- Adaptor, Tripod, PC Interface, CD Software

IR Thermometer with wireless USB Interface

MIT-371



This device offers non-contact (Infrared) temperature measurements capability. The built-in laser pointer increases target accuracy while the backlight LCD and handy push-buttons combine for convenient, ergonomic operation. Type K thermocouple functionality is also built-in. proper use and care of this meter will provides years of reliable service.

Features:

- Precise non-contact temperature measurement
- Type K temperature Measurement
- 150ms faster sampling time
- Wireless USB Interface (RF 433Hz)
- Unique flat surface, modern housing design
- Automatic Data Hold
- Emissivity Digitally adjustable from 0.10-1.0
- MAX, MIN, DIF,AVG record
- Automatic range selection
- High and low alarm
- Dual laser sighting
- °C/°F switch
- Obtain Emissivity
- Automatic Power Off
- LCD with Backlight
- Resolution 0.1°C (0.1°F)
- Data logger (LOG)

Specification:

IR Measurement

IR Temp. Range	-50 to 1050°C (-58 to 1922°F)	
Optical Resolution	30:1	
Resolution	0.1°C (0.1°F)	
Accuracy	-50 to 20°C (-58 to 68°F)	±3°C (±5.4°F)
	20 to 500°C (68 to 932°F)	±1.5% of reading ±1°C (±1.8°F)
	500-1050°C (932-1922°F)	±2.0% of reading

TK Measurement

TK Temp. Range	-50 to 1370°C (-58 to 2498°F)	
Resolution	-50 to 1370°C	0.1°C
	-58 to 1999°F	0.1°F
	2000 to 2498 °F	1°F
Accuracy	-50 to 1000°C	±1.5% of reading ±3°C (±5°F)
	1000 to 1370°C	±1.5% of reading ±2°C (±3.6°F)

- Response Time: 150ms
- Special Response: 8~14um
- Emissivity: Digitally adjustable from 0.1 to 1.0
- Over range Indication: LCD will show “-OL”, “OL”
- Polarity: Automatic (no indication for positive polarity); Minus (-) sign for negative polarity
- Diode Laser: Output <1mW, Wavelength 630 ~ 670nm, Class 2(II) laser product
- Operating Temp.: 0 to 50°C (32 to 122°F)
- Storage Temp.: -20 to 60°C (-4 to 140°F)
- Relatively Humidity: 10% ~ 90%RH operating, <80%RH storage
- Power Supply: 9V battery, NEDA 1604A or 6LR61, or equivalent
- Weight: 290g (10.2 oz)
- Size: 100 x 56x 230mm (3.9 x 2.2 x 0.9")
- Safety: “CE” Comply with EMC



Accessories:

- 9V Battery, Carrying case,
- Type K Temperature Prob, RF Transmitter
- Adaptor, Tripod, PC Interface, CD Software

1000A , AC/DC True RMS Clamp Meter

Features:

- 1 · True RMS measurement of AC Current and AC voltage
- 2 · Large 4000 count LCD display with a bar graph and a bright white LED backlight.
- 3 · Wide measuring range from 0.01A AC/DC up to 1000A AC/DC
- 4 · Measures AC and DC Voltage up to 600 volts
- 5 · Measures resistance from 0.01Ω up to 40MΩ
- 6 · Capacitance measurement up to 40 mF
- 7 · Temperature measurement from -40 °C to +1000 °C and -40°F to +1832°F.
- 8 · Designed to the international safety standard IEC 61010 CAT III 600v / CAT II 1000v.
- 9 Pollution degree 2.
- 10 · Auto Power Off after approximately 20 minutes to conserve battery life.
- 11 · Continuity Buzzer and Diode Test.
- 12 · Frequency measurement up to 4KHZ.
- 13 · Peak Hold to record the minimum and maximum readings for current and voltage.
- 14 · Data Hold switch used to freeze reading on display

Specification:

AC Current	40.00 A	$\pm (2.8 \% + 10 \text{ digits})$
	400.0 A	$\pm (2.8 \% + 8 \text{ digits})$
	1000 A	$\pm (3.0 \% + 8 \text{ digits})$
DC Current	40.00 A	$\pm (2.8 \% + 10 \text{ digits})$
	400.0 A	$\pm (2.8 \% + 8 \text{ digits})$
	1000 A	$\pm (3.0 \% + 8 \text{ digits})$
DC Voltage	400.0 mV	$\pm (0.8\% + 2 \text{ digits})$
	4.000 V	$\pm (1.5\% + 2 \text{ digits})$
	40.00 V	
	400.0 V	$\pm (2.0 \% + 2 \text{ digits})$
	600 V	
AC Voltage	400.0 mV	$\pm (1.0\% + 10 \text{ digits})$
	4.000 V	$\pm (1.5\% + 8 \text{ digits})$
	40.00 V	
	400.0 V	$\pm (2.0\% + 8 \text{ digits})$
	600 V	
Resistance	400.0 Ω	$\pm (1.0\% + 4 \text{ digits})$
	4.000K Ω	$\pm (1.5\% + 2 \text{ digits})$
	40.00K Ω	
	4.000M Ω	$\pm (2.5\% + 5 \text{ digits})$
	40.00M Ω	$\pm (3.5\% + 10 \text{ digits})$
Capacitance	4.000nF	$\pm (5.0\% + 30 \text{ digits})$
	40.00nF	$\pm (5.0\% + 20 \text{ digits})$
	400.0nF	$\pm (3.0\% + 5 \text{ digits})$
	4.000uF	
	40.00uF	$\pm (4.0\% + 10 \text{ digits})$
	4.000 mF	$\pm (4.5\% + 10 \text{ digits})$
	40.00 mF	$\pm (5.0\% + 10 \text{ digits})$
Frequency	4.000kHz	$\pm (1.5\% + 2 \text{ digits})$
Temperature	-40.0 to 1000C	$\pm (2.5\% + 3C)$
	-40.0 to 1832F	$\pm (2.5\% + 5F)$

MCA-207

This meter measures AC/DC Voltage, AC/DC Current, Resistance, Capacitance, Frequency, Diode Test, Continuity, Type k thermocouple thermometer. Proper use and care of this meter will provide many years of reliable service.



Accessories:

Test leads, Soft case,

9V battery and Temperature probe

400A, AC/DC Auto ranging Clamp Meters

Features:

1. Display with backlight
2. Data Hold
3. Auto Power Off
4. Low battery indication
5. 1.2" (30mm) Jaw opening



Accessories:

Soft case, Thermo couple Type K

Test Lead

MCA-203

This Clamp meter offers all features you need to fit the way you work. The small bodies and jaws fit perfectly in your hand and into tight places. Meter controls are positioned so that current measurements can be done with one hand. A large backlit display is easy to see. Measuring starting current for motors, lighting, etc

Specification:

Funtion	Range	Accuracy (% of reading)
AC Current (50/60Hz)	40.00 A	± (2.5 % +8 Digit)
	400.00 A	± (2.8 % +5 Digit)
DC Current	40.00 A	± (2.5 % +5 Digit)
	400.00 A	± (2.8 % +5 Digit)
DC Voltage	400.00 mV	± (0.8 % +2 Digit)
	4.00 V	± (1.5 % +2 Digit)
	40.00 V	
	400.00 V	± (2 % +2 Digit)
AC Current (50/400Hz)	400.00 mV	± (1.5 % +30 Digit)
	4.00 V	± (1.5 % +5Digit)
	40.00 V	
	400.00 V	
Resistance	600.00 V	± (2.0 % +5 Digit)
	4.00 Ω	± (1 % +4 Digit)
	40.00 K	± (1.5 % +2 Digit)
	400.00 K	
	400.00 K	± (2.5 % +3 Digit)
	4.000 M	± (3.5 % +5 Digit)
40.00 M	± (4.0 % +20 Digit)	
Capacitance	40.00 nF	± (3 % +5Digit)
	400.00 nF	
	4.00 uF	
	40.00 uF	± (4.0 % +10 Digit)
Frequency	100.00 uF	± (1.5 % +2 Digit)
	10-10kHz Sensitivity:100V (<50Hz);50V (50 to 400Hz;15V (401Hz to 10kHz)	
Temp (type-K) (probe accuracy not included)	-20.0 to 760.0C	± (3%rdg+5C)
	-4.0 to1400.0F	± (3%rdg+9F)

Temperature Datalogger with USB Interface

MT-34

You can monitor temperature values efficiently and conveniently for long time periods by using the data logger and simply read out by your PC with USB interface

Features:

- Memory for 32000 readings
- Status Indication
- USB Interface
- User-Selectable Alarm
- Analysis software
- Multi-mode to start logging
- Long battery life
- Selectable measuring cycle:
2s, 5s, 10s, 30s, 1m, 5m, 10m, 30m, 1hr, 2hr, 3hr, 6hr, 12hr, 24hr

SPECIFICATIONS

Temperature Range	-40 to 70°C (-40 to 158°F)
Accuracy	(-40 to -10 and +40 to +70°C) ±2°C
Accuracy	(-10 to +40°C) ±1°C
Accuracy	(-40 to +14 and 104 to 158°F) ±3.6°F
Accuracy	(+14 to +104 °F) ±1.8°F
Logging rate Selectable sampling interval: From 2 seconds up to 24 hours	
Operating temperature	-35 to 80°C (-31 to 176°F)
Battery type	3.6V lithium(1/2AA)(SAFT LS14250, Tadiran TL-5101 or equivalent)
Battery life	1 year(typ.) depending on logging rate, ambient temperature & use of Alarm LEDs
Dimensions/Weight	101x25x23mm (4x1x.9")/ 172g (6oz)



Accessories:

- 3.6V lithium battery , software,
- protective USB cap , mounting bracket

Temperature and Humidity Datalogger



Accessories:

3.6V Lithium battery, software

clamshell, USB Cable

MHT-40

The Temperature & Humidity Datalogger is designed with a high accuracy Temperature & Humidity Sensor. This datalogger is provided with features of high accuracy, fast response and stability. It is widely used for monitoring and collecting data of environment temperature and humidity.

Features:

1. Memory for 32700 values;
2. LCD to show some logging information easily;
3. Freely selectable measurement cycle from 1 sec. to 24h;
4. Download collected data through PC's USB;
5. Alarm display if user-defined maximum/minimum values are exceeded;
6. Analysis software used to view graph for logging data

Specification:

Relative Humidity	Overall Range	0 to 100 %
	Accuracy(0 to 20 & 80 to 100%)	± 5.0 %
	Accuracy(20-40 & 60-80%)	± 3.5 %
	Accuracy (40 to 60)	± 3.0 %
Temperature	Overall Range	-40 to 70° c (-40 to 158° F)
	Accuracy	(-40 to -10 and +40 to +70°c) ± 2° c
	Accuracy	(-10 to +40° c) ± 1° c
	Accuracy	(-40 to +14 and 104 to 158 °F) ± 3.6° F
	Accuracy	(+ 14 to +104° F) ± 1.8 ° F

Laser Distance Meter

MLD-710

This Laser Distance Meter is designed to give special users a high accuracy, one person distance measuring and estimating tool to measure remote and difficult reaching places. The compact and handy base model was specifically designed for indoor applications. Shortcut keys for addition, subtraction, Pythagoras, area and volume calculation make measuring fast and very reliable. The last 20 measurements are also stored.

Features:

- Area, Volume Calculations
- Indirect measurement using Pythagoras
- Addition/Subtraction
- Continuous Measurement
- Min/Max Distance Tracking
- Display illumination and multi-line display.

Specification:

Range	0.05 to 50 m (0.16 ft to 164 ft)
Measuring accuracy	Typically: $\pm 1.5\text{mm}$ (± 0.06 in)
Measuring units	m,in,ft
Laser Class	Class II
Laser Type	635 nm, <1mW
Area, Volume Calculations.	—
Indirect measurement using Pythagoras.	—
Addition/ Subtraction.	—
Continuous Measurement.	—
Min/Max Distance Tracking.	—
Display illumination & multi-line display.	—
Beep indication.	—
dust protect/ Splash proof	IP 54
History measurement records	20



Accessories:

2 x 1.5V AAA batteries

and Soft case

Professional Laser Distance Meter

MLD-705

This professional Laser Distance Meter is designed to give special users a high accuracy, one person distance measuring and estimating tool to measure remote and difficult reaching places. The compact and handy base model was specifically designed for indoor applications. Shortcut keys for addition, subtraction, Pythagoras, area and volume calculation make measuring fast and very reliable. The last 20 measurements are also stored

Features:

- Area, Volume Calculations
- Indirect measurement using Pythagoras
- Addition/Subtraction
- Continuous Measurement
- Min/Max Distance Tracking
- Display illumination and multi-line display.

Specification:

Range	0.05 to 35 m (0.16ft to 115ft)
Measuring accuracy	Typically: $\pm 1.5\text{mm}^{**}(\pm 0.06\text{ in}^{**})$
Measuring units	m,in,ft
Laser Class	Class II
Laser Type	635 nm,<1mW
Area, Volume Calculations.	—
Indirect measurement using Pythagoras.	—
Addition/ Subtraction.	—
Continuous Measurement.	—
Min/Max Distance Tracking.	—
Display illumination & multi-line display.	—
Beep indication.	—
dust protect/ Splash proof	IP 54
History measurement records	10



Accessories:

- 2 x 1.5V AAA batteries
- and Soft case

Compact Digital Multimeter

MMU-110

This MMU-110 Compact Digital Multimeters is new compact multimeters with double molded plastic housing and over sized high contrast 4000 counts LCD display. This is all CAT III rated for 1000V.

Features:

1. 4000 counts LCD display with function indication.
2. Safety design
3. Data Hold
4. Auto Ranging
5. Auto Power Off
6. Type K temperature input

Specification:

Function	Range
Voltage	DC600V
Voltage	AC600V
Current	DC10A
Current	AC10A
Resistance	40 MΩ
Capacitance	100uF
Frequency	10MHz
Temperature	760 °C/1400 °F
Duty Cycle	99.9%



Accessories:

- Test Leads, 9V Battery,
- Type K temperature probe, soft case.

Digital Tachometer



Accessories:

9V Battery, Soft case

MTC-602

MTC-602 Digital Tachometer provides fast and accurate Non-contact RPM and TOT measurements of rotating objects.

Using reflective tape on object to be measured and pointing with the laser.

Features:

- Measure non-contact RPM measurements of rotating objects
- Memory button holds last reading and recalls min/max readings
- Easy to read large 5 digit LCD display

Specification:

RPM Range :	2 to 99,999
Accuracy :	$\pm (0.05\% \pm 1d)$
Max RPM Resolution :	0.1RPM
TOT Range :	0-99,999
Memory :	Built-in memory recalls Max/Min/Last

High Accuracy Tachometer

MTC-642

This High Accuracy Digital Tachometer provides fast and accurate contact and Non-contact RPM and surface speed measurements of rotating objects.

Features:

- * Measurement type: Rotation Speed (RPM,rpm), Total revolutions (REV), Surface Speed (M/M,I/M,F/M,Y/M)
- * Wide measure range and high resolution.
- * High visible digital LCD and Backlight display.
- * 40 reading memories : 10 selectable MAX measurements, 10 selectable MIN measurements, 10 selectable AVG measurements, 10 selectable DATA measurements.
- * Laser sighting.



Specification:

Display:	5 digits LCD display
Accuracy:	±0.05% or ±1RPM
Contact Test rang:	2 to 20,000RPM
Non-Contact Test rang:	2 to 200,000RPM
Total test rang:	1 to 200,000
Resolution:	0.001 to 1 .
Detecting distance:	Up to 12 feet
Time base:	Quartz crystal
Power consumption:	Approx 45mA
Battery:	9V or 6V AC adapter
Operation temp:	0°C to 50°C (32 to 122°F)



Accessories:

9V battery , Soft Case,

Reflective Tab and Contact Wheel

Sound Level Meter



Accessories:

Instruction manual, battery, screwdriver,

Tripod, Carrying Case, windscreen,

software, USB cable.

MSL-765

This Sound Level Meter has a wide designed for noise project, quality control, illness prevention & cure and all kinds of environmental sounds measurements. It is applied to the sounds measurement at factory, school, office, traffic access and household etc.

Features:

1. This unit confirms to the IEC61672-1 CLASS2 for Sound Level Meters.
2. MAX & MIN measurements
3. Over range display
4. Under range display
5. A & C Weighting
6. FAST & SLOW response
7. Analog AC/DC outputs for connection to frequency analyzer or X-Y shaft recorder
8. Datalogger function
9. Adjustable Alarm-Levels
10. Memory for 32700 readings

Specification:

General Specification:

Standard applied	IEC61672 -1 CLASS2
Accuracy	$\pm 1.4\text{dB}$
Frequency range	31.5HZ ~ 8KHZ
Dynamic range	50dB
Level ranges	LO:30dB~80dB Med:50dB~100dB Hi:80dB~130dB Auto:30dB~130dB
Time weighting	FAST (125mS), SLOW (1s)
Microphone	1/2 inch electret condenser microphone
Resolution	0.1dB
Display Update	2 times/sec
Analog output	AC/DC outputs, AC = 1Vrms, DC = 10mV/dB

Sound Level Meter

MSL-761

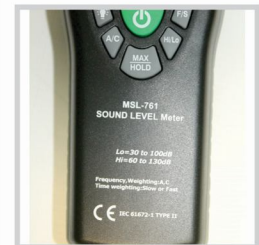
This Sound level meter has a wide dynamic range from 30 to 130dB. It has different frequency weighting A and C to respond to human sense or machine monitoring purpose. For different sound pattern, it also supply Fast and slow time constant setting.

Specification:

Standard applied	IEC61672-1 type2, ANSI S1.4 type 2
Frequency range	31.5Hz to 8kHz
Measuring level range	30 to 130dB
Frequency weighting	A/C
Microphone	1/2 inch electret condenser microphone
Calibration	Electrical calibration with the internal oscillator (1kHz sine wave)
Display	LCD
Digital display	4 digits
Resolution	0.1dB
Display Up data	0.5 sec.
Time weighting	FAST(125mS),SLOW(1sec.)
Level ranges	Lo: 30-100dB, Hi: 60-130dB
Accuracy	±1.5dB (under reference conditions)
Alarm function	"OVER" is show when input is out of range
Maximum hold	Hold readings the maximum value, with decay < 1dB/3minutes.
Auto power off	Meter automatically shuts down after approx. 15 minutes of activity.
Power supply	One 9V battery, 006P or IEC 6F22 or NEDA 1604.
Power life	About 50hrs(alkaline Battery)
Operation temperature	0 to 40°C (32 to 104°F)
Operating humidity	10 to 90%RH
Storage temperature	-10 to 60°C(14 to 140°F)
Storage humidity	10 to 75%RH
Dimensions	210(L) x 55(W) x 32(H)mm
Weight	230g(including battery)

Features:

- Range from 30dB to 130dB at frequencies between 31.5Hz and 8kHz
- Display with 0.1dB steps on a 4-digits LCD
- With two equivalent weighted sound pressure levels, A and C



Accessories:

9V battery, carrying case,

Instruction manual.

Light Meter

MLX-713

Is easy to use with pocket size and light weight, providing accurate display light level in terms of Foot Candles (FC) or LUX over wide range. Just turning the Function Switch to select the “lux” scale and setting the range to desired range, then removing the photo detector to light source in a horizontal position and reading the luminance nominal from the LCD display. When the measurement is completed, replace the photo detector from the light source.



Accessories:

battery and Soft case

Features:

- Easy to use with pock size and light weight
- 3 1/2 digital LCD display with LUX, fc, LOBAT, MAX, HOLD indication
- Accurately display light level in terms of Foot Candles (Fc) or Lux over wide range.
- Measures from 0 to 50000 Lux/ Fc in four ranges with resolution 0.1Lux/Fc .
- Max Hold and Data Hold
- Auto power off

Specification:

Max Range	50,000lux/Fc
Accuracy	±5% ±10d (<10,000Lux)
	±10% ±10d (>10,000Lux)
Max Resolution	0.1lux/Fc
Measuring rate	1.5 times/second
Photo Detector	115mm x 60mm x 27mm

High Voltage Insulation Tester

Features:

1. Wide range measurements from 500V to 5000V and up to 60GΩ.
2. Large 6000 counts digital display with bargraph and backlight.
3. Polarization index measurement (PI).
4. Auto ranging & Timer measurement function.
5. Indication of output voltage and discharge voltage.
6. Auto-discharge function and voltage output warning function.
7. Auto power off and battery check.
8. MAX/MIN, PEAK, Relative value & Data hold functions for DC/AC V/measurements.

Specification:

Insulation Resistance Measurement				
Rated Voltage	500V	1000V	2500V	5000V
Measuring Range (Auto-Ranging)	0.005to6.000MΩ	0.005to6.000MΩ	0.05to60.00MΩ	0.05to60.00MΩ
	6.01 to 60.00MΩ	6.01 to 60.00MΩ	60.1 to 600.0MΩ	60.1 to 600.0MΩ
	60.1 to 600.0MΩ	60.1 to 600.0MΩ	0.61 to 6.00GΩ	0.61 to 6.00GΩ
	0.61 to 6.00GΩ	0.61 to 6.00GΩ	6.1 to 60.0GΩ	6.1 to 60.0GΩ
Open Circuit Voltage	DC 500V	DC 1000V	DC 2500V	DC 5000V
	+20%,-0%	+20%,-0%	+20%,-0%	+20%,-0%
Rated Current	1 to 1.2mA	1 to 1.2mA	1 to 1.2mA	1 to 1.2mA
	(at 0.5MΩ load)	(at 1MΩ load)	(at 2.5MΩ load)	(at 5MΩ load, Recommended use of Power Adaptor)
Short-Circuit Current	Approx. 1mA			
Accuracy	±2.5%reading±15digits (at 0.005 to 600.0MΩ)			
	±3%reading±15digits (at 0.61 to 6.00GΩ)			
	±4%reading±15digits (at 6.1 to 60.0GΩ)			
Voltage Monitor Range	5 to 6000VDC (Resolution 1V); Accuracy: ± 1.5% reading±5 digits Note: This monitor is used to chek whether electric charge stored on the equipment under test is discharged or not. Measured voltage value displayed on the LCD is a reference value. Please be noted that the indicated value, when external AC or DC Voltage is applied to the instrument is not the correct value, is display ">30V".			

DC/AC Voltage Measurement

	Range	Resolution	Accuracy
DC Voltage	0.5 to 600.0V	0.1 V	± 1.0%reading± digits
AC Voltage (40 to 400Hz)	0.5 to 600.0V0.1V	1.0 V	reading±5digits (40 to 60Hz)
			±2.5%reading±10digits (61 to 400Hz)

Low Resistance measurement & Continuity Check

	Range	Resolution	Accuracy
Resistance (Auto-Ranging)	0.12 to 600.0Ω	0.1Ω	1.5%reading±10digits
	601 to 6.00kΩ	0.001kΩ	±1.5%reading±15digits
Continuity Buzzer: ≤50Ω			
Short Circuit Current: ≥200mA			
Open Circuit Test Voltage: ≥4.5V			

MIR-505

The high voltage insulation resistance tester is a handheld instrument designed primarily to measure AC/DC voltage, resistance, Continuity test/insulation resistance measurement



Accessories:

- One plug test lead to one alligator Clip (Black Color)
- One plug test lead to one alligator Clip (Green Color)
- Two plug test lead to one alligator Clip (Red Color)
- carrying case and power adaptor

Non-Contact AC Voltage Detector



MVD-135

The Volt finder voltage detector is intended to check for the presence of AC voltage, the presence of display radicalization, signaling the user with a LED and Buzzer on. Built-in bright flashlight with ON/OFF button and audible beeper indicator.

Features:

- Suitable for outlets or against wire insulation testing
- Flashing red LED light indicator
- Built-in bright flashlight with ON/OFF button

SPECIFICATIONS

Detection voltage range	100Vac to 1000Vac, 24Vac to 1000Vac
Power	3V(AAA*2) alkaline
Storage temperature	-10°C to 50°C (14°F to 122°F)
Humidity	95%
Contaminated distinction	II
Weight	48.5g



Accessories:

battery

Earth Ground Resistance Tester

MEG-526

Electrical Digital Earth Resistance Tester is direct replacement of the conventional hand generator type tester. It is designed for measurement of the resistance of earthing used in the electrical equipment as well as for measurement of ground resistibility. It can be used for measurements of the other low regular. It can also be used for measurement of voltage AC, voltage DC and resistance.

This instrument finds wide application for testing earthing installation in power based industries, telecommunication networks and electrical traction systems etc.

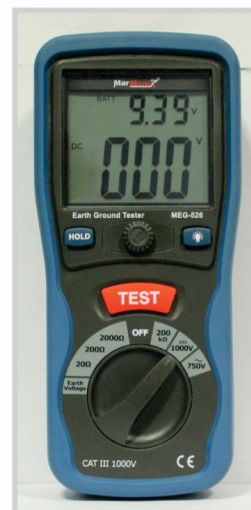
Features:

1. Large LCD with dual display
2. Large dual display with backlight
3. Test hold function for easy operation
4. Zero Automatic adjustment
5. Sampling Rate: 2.5 times per second
6. Sampling Rate: 2.5 times per second.
7. Over range Indication
8. Low Battery Indication

Specification:

General Specification:

	Range	Resolution	Accuracy
Earth Resistance	20Ω	0.01Ω	±(2%+10d)
	200Ω	0.1Ω	±(2%+3d)
	2000Ω	1Ω	±(2%+3d)
Voltage AC	750V	1V	±(1.2%+10d)
Voltage DC	1000V	1V	±(0.8%+3d)
Resistance	200KΩ	0.1 KΩ	±(1%+2d)
Operation Temp.	0 °C~40 °C(<80% R.H.)		
Storage Temp.	-10 °C~60 °C(<70% R.H.)		
Power Source	1.5V "AA" size battery ×6		
Size	200(L) x 92(W) x 50(H) mm		
Weight	Approx 700g include battery		



Accessories:

4 sets Test kits, 2 pcs iron rods,

6pcs battery, Carrying case, manual.

Coating Thickness Tester

MCT-822

Easy usages make this item outstanding and users can measure the coating thickness of Ferrous and Non-Ferrous easily. Most important feature is ability to connect the Computer.



Accessories:

- Two "AAA" batteries, USB cable, CD, Calibration Iron,
- Calibration Aluminum, Precision Standard, carrying case.

Features:

- Measured Coatings: Non-magnetic coatings (e.g. paint, zinc) on steel; Insulating coatings (e.g. paint, anodizing coatings) on no-ferrous metals
- Operating with MENU easily
- Two measuring mode: CONTINUE and SINGLE mode
- Two working mode: DIRECT and GROUP mode (4 groups)
- Statistic Display: AVG, MAX, MIN, NO., S.DEV
- One point calibrating & two points calibrating independently
- Zero calibrating easily
- Memory for 320 readings(80 for each group)
- Delete single readings and all group readings easily
- High alarm and low alarm for all working mode
- Low battery, error indication
- USB interface for PC analysis software
- Disable Auto-Power-off function via MENU setting

Specification:

Sensor probe	F	N
Working principle	Magnetic induction	Eddy current principle
Measuring range	0~1250μm	0~1250μm
	0~49.21mils	0~49.21mils
Guaranteed tolerance (of reading)	0~850μm (±3%+1μm)	0~850μm (±3%+1.5μm)
	850μm~1250μm (±5%)	850μm~1250μm (±5%)
	0~33.46mils (±3% + 0.039mils)	0~33.46mils (±3% + 0.054mils)
Precision	33.46mils~49.21mils (±5%)	33.46mils~49.21mils (±5%)
	0~50μm (0.1μm)	0~50μm (0.1μm)
	50μm~850μm (1μm)	50μm~850μm (1μm)
	850μm~1250μm (0.01mm)	850μm~1250μm (0.01mm)
	0~1.968mils (0.001mils)	0~1.968mils (0.001mils)
Min.curvature radius	1.968mils~33.46mils (0.01mils)	1.968mils~33.46mils (0.01mils)
	33.46mils~49.21mils (0.1mils)	33.46mils~49.21mils (0.1mils)
	1.5 mm	3 mm
Diameter of Min. area	7 mm	5 mm
Basic critical thickness	0.5 mm	0.3 mm
Working temp.	0°C~40°C (32°F ~ 104°F)	
Working humidity	20%~90%	

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