Lutron

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WACO INSTRUMENTS

AN ISO 9001 : 2015 & CE CERTIFIED COMPANY SINCE 1970

CORPORATE OFFICE & SHOWROOM

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WARE HOUSE

Dashadrone, P.O. Rajarhat Gopalpur, Ground & 1st Floor,
Kolkata - 700136, W.B., India

waco®

MADE IN INDIA

CATALOG

INDUSTRIAL TESTING & MEASURING INSTRUMENTS MANUFACTURER

WE ARE THE SOLE SELLING DISTRIBUTOR &
SERVICE PROVIDER OF ALL LUTRON PRODUCTS

CERTIFICATE

EUROGLOBAL CERTIFICATIONS (UK) LTD.

Certificate of Compliance

This is to Certify that the Quality Management System of

WACO INSTRUMENTS

32A, GANESH CHANDRA AVENUE, 4TH FLOOR, KOLKATA-700013, WEST BENGAL (INDIA)

has been assessed and registered by Euroglobal and found to be in compliance withthe requirements applicable as per Quality Management System conforming:

ISO 9001:2015

For the scope of

MANUFACTURING & IMPORT OF ELECTRICAL & ELECTRONICS, TESTING, SCIENTIFIC & MEASURING INSTRUMENTS.

Certificate No.	EU7247		
Date of Initial Registration	06th May 2022	*Issue Date*	06th May 2022
1st Surveillance on or before	06th May 2023	*Expiry Date*	05th May 2025
2nd Surveillance on or before	06th May 2024		

This Certificate is Valid for 3 years & will remain current subject to the company maintaining its system to the required standard(s). This will be monitored regularly by Euroglobal Certifications (UK) Limited. The certification details & effectiveness are listed at www.euroglobal.uk.com. The registration does not assure the quality of products produced by a quality system. This certificate is granted based on the limited sampling audit as per relevant ISO standard &Euroglobal is not responsible for client's failure to maintain documented quality systems.

Authorized Signatory

The Certificate is the property of EUROGLOBAL CERTIFICATIONS (UK) LIMITED and shall be returned immediately on request.
Registered Office : 1st Floor, 2 Woodberry Grove, Finchley, London, N12 0DR. UNITED KINGDOM
Website : www.euroglobal.uk.com

The Registration is not a Product Quality Certificate *Subject to successful completion of surveillance audits * Visit for verification on www.euroglobal.uk.com/verify

CERTIFICATE

EUROGLOBAL CERTIFICATIONS (UK) LTD.

Certificate of Compliance

We hereby declare that the technical file of

WACO INSTRUMENTS

32A, GANESH CHANDRA AVENUE, 4TH FLOOR, KOLKATA-700013, WEST BENGAL (INDIA)

has been assessed & found to be in conformance with the provisions set forth by the requirement of Low Voltage Directive 2006/95/EC & Electromagnetic Compatibility (EMC) Directive 2004/108/EC.

PRODUCT DESCRIPTION: - ELECTRICAL & ELECTRONICS, TESTING AND MEASURING INSTRUMENTS.

(More Details as per Appendix-I & III)

The Certification body has performed a sample audit of the above product quality system covering the design, manufacture & final inspection of the certified product(s). The quality system has been assessed, approved andis subject to continuous surveillance according Low Voltage Directive 2006/95/EC & Electromagnetic Compatibility (EMC) Directive 2004/108/EC. No additional test report was carried out from submitted type sample of the product in Compliance with the Specification of the respective standards except those submitted by the Customer.

Certificate No.	EU7248		
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प्रारूप आरजी - 2
Form RG - 2

INTELLECTUAL PROPERTY INDIA

भारत सरकार
Government of India
व्यापार चिन्ह रजिस्ट्री
Trade Marks Registry

क्रमांक
No. 2361817

व्यापार चिन्ह अधिनियम, 1999
Trade Marks Act, 1999
व्यापार चिन्ह के रजिस्ट्रीकरण का प्रमाणपत्र, धारा 23 (2), नियम 56 (1)
Certificate of Registration of Trade Mark, Section 23 (2), Rule 56 (1)

व्यापार चिन्ह संख्या / **Trade Mark No.** 4219369 दिनांक / **Date** 28/06/2019 जर्नल संख्या / **J. No.** 1915

यह प्रमाणित किया जाता है कि जिस चस्पा चिन्ह की सामग्रीवृत इसके साथ संलग्न है, यह .....
के ओर से दिनांक ..... नाम से रजिस्ट्रीकृत हो चुका है।
Certified that Trade Mark / a representation is annexed hereto, has been registered in the name(s) of :-
SAMARENDRA NATH MUKHERJEE, 32A, GANESH CHANDRA AVENUE, 4TH FLOOR, KOLKATA-700 013, WEST BENGAL, INDIA, SONIA MUKHERJEE, PARTERSHIP FIRM, Trading as : WACO INSTRUMENTS, MANUFACTURER & MERCHANT, (Partnership Firm)

In Class 9 Under No. 4219369 as of the date 28 June 2019 in respect of

ELECTRICAL AND ELECTRONICS TESTING & MEASURING INSTRUMENTS

Trade Mark as annexed

मेरे निदेश पर आज ..... के ..... मास के ..... वे दिन को इस पर मुद्रा लगायी गई
Sealed at my direction, this 07th day of January , 2020

व्यापार चिन्ह रजिस्ट्री
Trade Marks Registry MUMBAI

व्यापार चिन्ह रजिस्ट्रार
Registrar of Trademarks

रजिस्ट्रीकरण आवेदन की तारीख से 10 वर्ष के लिए है और आवेदनपत्र यह 10 वर्ष की कालावधि के लिए और पश्चात 10 वर्ष की कालावधि के अवसान पर की अभिलिखित किया जा सकेगा।
Registration is for 10 years from the date of application and may then be renewed for a period of 10 years and also at the expiration of each period of 10 years.
यह प्रमाणपत्र विदेश कार्यवाहियों में प्रयोग के लिए या विदेश में रजिस्ट्रीकरण अभिप्राप्त करने के लिए नहीं है
This certificate is not for use in legal proceedings or for obtaining Registration abroad.
टिप्पणी : इस व्यापार चिन्ह के स्वामित्व में कोई परिवर्तन होने पर, या कारोबार के मुख्य स्थान के पते में या भारत में उपयोग के लिए पते में परिवर्तन होने पर परिवर्तन के लिए आवेदन तुरंत किया जाना चाहिए.
Note: Upon any change of ownership of this Trademark, or change in address, of the principal place of business or address for service in India a request should **AT ONCE** be made to register the change.

Copyright Office
Government of India

सत्यमेव जयते

Extracts from the Register of Copyrights

Dated : 03/05/2021

1.	Registration Number	: A-138021/2021
2.	Name, address and nationality of the applicant	: SAMARENDRA NATH MUKHERJEE AND SONIA MUKHERJEE, PARTNERS OF WACO INSTRUMENTS, PARTNERSHIP FIRM , 32A, GANESH CHANDRA AVENUE, 4TH FLOOR, KOLKATA, WEST BENGAL-700013 INDIAN
3.	Nature of the applicant's interest in the copyright of the work	: OWNER
4.	Class and description of the work	: ARTISTIC WORK
5.	Title of the work	: WACO LABEL
6.	Language of the work	: ENGLISH
7.	Name, address and nationality of the author and if the author is deceased, date of his decease	: SAMARENDRA NATH MUKHERJEE , 32A, GANESH CHANDRA AVENUE, 4TH FLOOR, KOLKATA, WEST BENGAL-700013 INDIAN
8.	Whether the work is published or unpublished	: PUBLISHED
9.	Year and country of first publication and name, address and nationality of the publisher	: 1972 INDIA , SAMARENDRA NATH MUKHERJEE AND SONIA MUKHERJEE, PARTNERS OF WACO INSTRUMENTS, PARTNERSHIP FIRM , 32A, GANESH CHANDRA AVENUE, 4TH FLOOR, KOLKATA, WEST BENGAL-700013 INDIAN
10.	Years and countries of subsequent publications, if any, and names, addresses and nationalities of the publishers	: N.A.
11.	Names, addresses and nationalities of the owners of various rights comprising the copyright in the work and the extent of rights held by each, together with particulars of assignments and licenses, if any	: SAMARENDRA NATH MUKHERJEE AND SONIA MUKHERJEE, PARTNERS OF WACO INSTRUMENTS, PARTNERSHIP FIRM , 32A, GANESH CHANDRA AVENUE, 4TH FLOOR, KOLKATA, WEST BENGAL-700013 INDIAN
12.	Names, addresses and nationalities of other persons, if any, authorised to assign or license of rights comprising the copyright	: SAMARENDRA NATH MUKHERJEE AND SONIA MUKHERJEE, PARTNERS OF WACO INSTRUMENTS, PARTNERSHIP FIRM , 32A, GANESH CHANDRA AVENUE, 4TH FLOOR, KOLKATA, WEST BENGAL-700013 INDIAN
13.	If the work is an 'Artistic work', the location of the original work, and the name, address and nationality of the person in possession of the work. (In the case of an architectural work, the year of completion of the work should also be shown).	: SAMARENDRA NATH MUKHERJEE AND SONIA MUKHERJEE, PARTNERS OF WACO INSTRUMENTS, PARTNERSHIP FIRM , 32A, GANESH CHANDRA AVENUE, 4TH FLOOR, KOLKATA, WEST BENGAL-700013 INDIAN
14.	If the work is an 'Artistic work' which is used or capable of being used in relation to any goods or services, the application should include a certification from the Registrar of Trade Marks in terms of the proviso to Sub-Section (i) of Section 45 of the Copyright Act, 1957	: Bearing No.: 97558 Date: 14/12/2020
15.	If the work is an 'Artistic work', whether it is registered under the Designs Act 2000 ? yes give details.	: N.A.
16.	If the work is an 'Artistic work', capable of being registered as a design under the Designs Act 2000,whether it has been applied to an article through an industrial process and ,if yes ,the number of times it is reproduced.	: N.A.
17.	Remarks, if any	: (i) A COPY OF THE WORK IS ANNEXED WORK. (ii)THE COPYRIGHT IN THE ARTISTIC WORK SHALL NOT SUBSIST IF THE WORK HAS BEEN APPLIED TO AN ARTICLE THROUGH INDUSTRIAL PROCESS & REPRODUCED MORE THAN 50 TIMES.

Diary Number : 2374/2021-CO/A
Date of Application : 02/02/2021
Date of Receipt : 02/02/2021

DEPUTY REGISTRAR OF COPYRIGHTS

WACO®
MADE IN INDIA

WACO HAND DRIVEN EARTH TESTER

Earth Tester is direct measuring instrument for the earthing resistance used in power systems, telecommunications, Railway Electrification, Domestic & Industrial Installations, Lighting conductor and various other systems, effective the earthing is. The instrument can also be **used for measuring :** Earth Resistivity, Neutral Earth Test, Earth continuity.

The testers are available in three and four terminal systems. **Measurement range** of the instrument can be from 0.01 ohms to 10000 ohms in single or in multi range instrument. Other ranges can also be made against specific requirement.

WACO HAND DRIVEN INSULATION TESTER

Hand drive Insulation Tester is used for measuring insulation resistances of various electrical machineries, Control panels, Switching Equipment, Insulators Cables, Wrings and various other devices ranging from Small Electrical Units to Large size Transformers. The instrument conforms for IS:2992:1980.

Types & Ranges : These are available from 50 Volts onwards to 5000 volts, Tester is supplied with a metal flab over the glass window for protection of glass, Fold bak handle can be provided on request.

Range - 0.1 ohms to 100000M ohms.

WACO MOTORISED INSULATION TESTER WOODEN BODY

Insulation Tester is direct measuring instrument for the earthing resistance used in power systems, telecommunications, Railway Electrification, Domestic & Industrial Installations, Lighting conductor and various other systems, effective the earthing is. The instrument can also be **used for measuring :** Earth Resistivity, Neutral Earth Test, Earth continuity.

The testers are available in three and four terminal systems. **Measurement range** of the instrument can be from 0.1 ohms to 100000M ohms in single or in multi range instrument. Other ranges can also be made against specific requirement.

WACO HAND-CUM MOTORISED INSULATION TESTER WOODEN BODY

Mains Motor Operated Insulation Tester, suitable for Use on 220/230 Volts A.C., 50 Cycles, housed in study and shock proof wooden body with locking arrangement. The ohm meter is cross coil type provided with spring loaded jewel bearing to with stand mechanical vibration and shock. In the instrument.

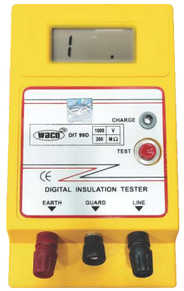
The guard terminal is provided with knife edge pointer, mechanical infinity adjuster 110mm (approx). The motor is provided with on-off switch, mains with indicating switch, fuse, three terminals are suitably marked as Earth, Line, Guard. The electric motor is of 60-watt or 1/20H.P.

WACO-DET SERIES
DIGITAL EARTH RESISTANCE TESTER

MODEL	RANGE
DET LOW	0-5-500
DET MID	0-10-1000
DET HIGH	0-20-2000
WACO - 4100	0-20-200-2000

Digital Earth Resistance Tester is direct replacement of the conventional hand generator type tester. The instrument finds wide **application** for testing installation in poser based industries, telecommunication net-works and electrical traction systems etc. This is powered by rechargeable Nicd cells, A LCD low battery indication appears when its battery goes down, which can be recharged by connection mains AC supply through charging lead provided with the instrument.

It has 3½ digit **Liquid Crystal display.** Its dimension are 165x50x95mm. And weight approx. 750gms. **Available in ranges between 0.01 ohms to 2000 ohms**



WACO-DIT 99 SERIES
DIGITAL INSULATION TESTER ECONOMICAL SERIES

SPECIFICATION	RANGE
Display	3 ½ Digits LCD Dispay
Range	100V - 1000V
Resistance	0.01M - 2000 M ohms
Accuracy	+(3% rdg+2 dgt) at 27*C+5*C
Conversion Rate	2.5 sec.
Over-range Indication	"1" is Displayed
Operating Temperature	0°C to 60°C
Store Temperature	80% R.H. maximum
Relative Humidity	"LOWBAT" is Displayed when Battery voltage drops below Operating Voltage
Power	Inbuilt Rechargeable Battery

Accessories: - Gift Box, Test Leads, Hard Carrying Case, Manual

WACO-622
DIGITAL INSULATION + MULTIMETER

SPECIFICATION	RANGE
Display	3½ digits (4000 counts) LCD
Insulation Range	500V / 1000V / 2500V
DC Voltage	400mV - 1000V
AC Voltage	4V-700V
DC Current	40mA-400mA
AC Current	40mA-400mA
Resistance	400Ω-40MΩ
Capacitance	40nF-40μF
Frequency	40Hz-4MHz
Diode Test	√
Continuity test (buzzes)	√
Over Load Protection	√

Accessories: - 1.5V x 6 Battery supply, Gift Box, Manual, Test Leads, Hard Carrying Case

WACO-914A
5000V COMPACT H.V. INSULATION TESTER

SPECIFICATION	RANGE
Display	3½ Digit (1999 Counts) LCD
Test Voltage	500V / 1000V / 2500V / 5000V
Insulation Resistance	1MΩ - 200GΩ
Accuracy	3% of Rdg + 5 digits (1MΩ-200MΩ)
	5% of Rdg + 5 digits (200MΩ-10GΩ)
	10% of Rdg + 5 digits (10GΩ-200GΩ)
AC Voltage	750V
Accuracy	of Rdg + 5 digits
Range Select	AUTO
Data Hold	√
Low Battery Indication	√
Back Light	√
HV red indication lamp light	√

Accessories: - 1.5V x 6 Battery supply, Gift Box, Manual, Test Leads, Hard Carrying Case

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WACO-5106
DIGITAL INSULATION RESISTANCE TESTER

SPECIFICATION	RANGE
Display	3½ digits (1999 counts) LCD
Testing Voltage	100V/250V/500V/1000V/2500V/5000V
Rated resistance	200G ohm
Accuracy	±3
Indicator	High voltage LED
Data holding button	√
Test button	√
Back light Option	√

Accessories: - 1.5V x 8 Battery Power Supply, Gift Box, Manual, Hard Carrying Case

WACO - 3125A
5000V H.V. INSULATION TESTER WITH TIMER & MEASUREMENT UPTO 1 TOHMS

SPECIFICATION	RANGE
Rated Voltage	500V / 1000V / 2500V / 5000V
Tasting Range	500V:0.0~999MΩ 1000V:0.0~19.9GΩ
	2500V:0.0~99.9GΩ 5000V:0.0~1000GΩ
Accuracy	5% Rdg + 5 digits
DC/AC Testing Voltage	30-600V
Resolution	1.0V
Overload Protection	AC 1200V / 10 Second
Withstand Voltage	AC8320V/5 Second
Insulation Resistance	1000MΩ / DC1000W
Line Probe	√
Short Circuit Current	1.4mA
Polarization Index	√
DAR	√
Operation Voltage	12V

Accessories: - 1.5V x 8 Battery Power Supply, Gift Box, Manual, Hard Carrying Case

WACO-19TB
LARGE SCREEN DIGITAL MULTIMETER WITH TERMINAL BLOCKING SYSTEM

SPECIFICATION	RANGE	ACCURACY
Display	3½ Digit (1999 Counts) LCD	
DC Voltage	200mV-2V-20V-200V-1000V	± 0.5%
AC Voltage	200mV-2V-20V-200V-750V	± 1.2%
DC Current	2mA-20mA-200mA-10A	± 1.8%
AC Current	2mA-20mA-200mA-10A	± 2.0%
Resistance	200Ω-2KΩ-20KΩ-200KΩ-2MΩ-20MΩ-200MΩ	± 1.0%
Capacitance	2nF-20nF-200nF-2μF-20μF-200μF	± 4.0%
Frequency	2KHz-20KHz	± 2.5%
Temperature	-20°C to 1000°C	± 1.5%

Transistor Detecting, Diode Test, Audible Continuity, Over Load Protection, Low Battery Indication, Battery Type: 9V NEDA 1604 or 6F22,

Accessories: - Gift Box, Manual, Test Leads, Battery, Temperature Probe.

WACO-801A
LARGE SCREEN DIGITAL MULTIMETER WITH IR TEST FUNCTION

SPECIFICATION	RANGE	ACCURACY
Display	3½ Digit (1999 Counts) LCD	
DC Voltage	200mV-2V-20V-200V-1000V	± 0.5%
AC Voltage	200mV-2V-20V-200V-750V	± 1.2%
DC Current	20μA-2mA-20mA-200mA-20A	± 1.2%
AC Current	20mA-200mA-20A	± 1.2%
Resistance	200Ω-2KΩ-20KΩ-200KΩ-2MΩ-20MΩ-200MΩ	± 0.8%
Capacitance	20nF-200nF-2μF-200μF	± 3.0%
Frequency	2KHz-20KHz	± 1.5%
Temperature	-30°C to 1000°C	± 1.2%

Transistor Detecting, Diode Test, Audible Continuity, Over Load Protection, Low Battery Indication, Battery Type: 9V or 6F22 X 1PC,

Accessories: Gift Box, Manual, Test Leads, Battery, Temperature Probe.

WACO-92A
DIGITAL MULTI METER

SPECIFICATION	RANGE	ACCURACY
Display	3¾ Digit (4000 Counts) LCD	
DC Voltage	200mV-2V-20V-200V-1000V	± 1.2%
AC Voltage	200mV-2V-20V-200V-1000V	± 1.2%
DC Current	2mA-200mA-10A	± 2.0%
AC Current	2mA-200mA-10A	± 2.5%
Resistance	200Ω-2KΩ-20KΩ-200KΩ-2MΩ-20MΩ-200MΩ	± 1.5%
Capacitance	20nF-200nF-2μF-200μF	± 3.0%
Frequency	4KHz-4MHz	
Temperature	-40°C to 1000°C	

Transistor Detecting, Diode Test, Audible Continuity, Over Load Protection, Low Battery Indication, IR, Live Wire, Battery Type: 9V or 6F22 X 1PC,

Accessories: Gift Box, Manual, Test Leads, Battery.

CIE 122
DIGITAL MULTI METER

SPECIFICATION	RANGE	ACCURACY
Display	3½ Digit (1999 Counts) LCD	
DC Voltage	200mV-2V-20V-200V-600V	± 0.8%
AC Voltage	200mV-2V-20V-200V-600V	± 1.5%
DC Current	20mA-200mA-10A	± 1.0%
AC Current	20mA-200mA-10A	± 2.0%
Resistance	200Ω-2KΩ-20KΩ-200KΩ-2000KΩ-20MΩ-2000MΩ	± 1.0%
Capacitance	2nF-20nF-200nF-2μF-20μF	± 4.0%
Frequency	2KHz-20KHz-200KHz-2MHz-20MHz	± 0.5%

Transistor Detecting, Diode Test, Audible Continuity, Logic Test, Over Load Protection, Low Battery Indication, Battery Type: 9V NEDA 1604 or 6F22,

Accessories: - Gift Box, Manual, Test Leads, Battery.

WACO-122
DIGITAL MULTI METER

SPECIFICATION	RANGE	ACCURACY
Display	3½ Digit (1999 Counts) LCD	
DC Voltage	200mV-2V-20V-200V-600V	± 0.8%
AC Voltage	200mV-2V-20V-200V-600V	± 1.5%
DC Current	20mA-200mA-10A	± 1.0%
AC Current	20mA-200mA-10A	± 2.0%
Resistance	200Ω-2KΩ-20KΩ-200KΩ-2000KΩ-20MΩ-2000MΩ	± 1.0%
Capacitance	2nF-20nF-200nF-2μF-20μF	± 4.0%
Frequency	2KHz-20KHz-200KHz-2MHz-20MHz	± 0.5%

Transistor Detecting, Diode Test, Audible Continuity, Logic Test, Over Load Protection, Low Battery Indication, Battery Type: 9V NEDA 1604 or 6F22,

Accessories: - Gift Box, Manual, Test Leads, Battery.

WACO-45 TRMS
DIGITAL MULTI METER

SPECIFICATION	RANGE	ACCURACY
Display	4½digits (19999 Counts) LCD	
DC Volts	200mV - 1000V.	± 0.5%
AC Volts	200mV - 750V	± 1.0%
DC Current	20 μV - 20A.	± 0.5%
AC Current	20 μV - 20A	± 1.2%
Resistance	200Ω - 20MΩ.	± 0.15%
Frequency	2kHz - 200kHz	± 0.5%

Duty Cycle, Diode Test, Over Load Protection, Low Battery Indication, Auto power off, Continuity Test, Data Hold Option.

Accessories: - Gift Box, Manual, Test Leads, Battery.

Professional Testing Instruments

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WACO-38
DIGITAL MULTI METER

SPECIFICATION	RANGE	ACCURACY
Display	3½ Digit (1999 Counts)	
DC Voltage	200mV-2V-20V-200V-600V	± 0.5%
AC Voltage	200mV-2V-20V-200V-600V	± 1.0%
DC Current	200μA-2mA-20mA-200mA-10A	± 1.5%
AC Current	200μA-2mA-20mA-200mA -10A	± 1.5%
Resistance	200Ω-2KΩ-20KΩ-200KΩ-2MΩ-20MΩ-200MΩ	± 0.8%
Capacitance	2nF-20nF-200nF-2μF-20μF	± 2.0%
Frequency	2KHz-20KHz-200KHz-2000KHz-15MHz	± 0.1%

Transistor Gain Measurement, Diode Test, Continuity Test, Over Load Protection, Over Range Displayed, Zero Automatic, 9V Battery Power Supply,

Accessories: - Gift Box, Manual, Test Leads, Battery.

WACO - 75
DIGITAL MULTI METER

SPECIFICATION	RANGE
Display	3¾ Digit (4000 Counts) LCD
DC Voltage	400mV - 2000V
AC Voltage	400mV - 2000V
AC Current	4mA - 10A
DC Current	4mA - 10A
Resistance	400Ω - 400MΩ
Capacitance	40nF - 400uF
Frequency	4KHz - 4MHz
Temperature	-40°C to 1000°C

Diode test, Transistor, Continuity Test, Data hold, NCV Testing, Auto Power Off

Accessories: - Gift Box, Manual, Test Leads, Battery.

WACO-225
DIGITAL CLAMP METER

SPECIFICATION	RANGE	ACCURACY
Display	3 ½ Digits (1999 Counts)	
DC Voltage	1000V	± 1.5%
AC Voltage	200V-750V	± 2.9%
AC Current	20A-200A-600A	± 3.5%
Resistance	2KΩ-200KΩ	± 1.5%
Frequency	2KHz-20KHz	± 0.5%
Temperature	-20°C to 750°C	±3.0%

Diode Test, Audible Continuity, Zero Automatic, Over Range Displayed, Max, Data Hold, 9V Battery Power Supply, Jaw Size: 33mm Diameter.

Accessories: - Gift Box, Manual, Test Leads, Battery.

WACO DCM-30
DIGITAL CLAMP METER

SPECIFICATION	RANGE	ACCURACY
Display	3 ½ Digits (1999) Counts	
DC Voltage	200V-600V	± 2.5%
AC Voltage	200V-600V	± 1.5%
AC Current	20A-200A-600A	± 3.5%
Resistance	2KΩ-200KΩ	± 1.5%
Frequency	2KHz-20KHz	± 0.5%

Diode Test, Audible Continuity, Zero Automatic, Over Range Displayed, Max, Data Hold, 9V Battery Power Supply, Jaw Size: 33mm Diameter.

Accessories: - Gift Box, Manual, Test Leads, Battery.

WACO-2205Hz TRMS

1000A PROFESSIONAL DIGITAL CLAMP METER

SPECIFICATION	RANGE	ACCURACY
Display	3 ½Digits (1999 Counts) LCD	
DC Voltage	4V - 1000V	± 1.0%
AC Voltage	2V - 750V	± 1.2%
AC Current	20A-200A-1000A	± 2.5%
Resistance	200Ω-2KΩ-20KΩ-200KΩ-2MΩ	± 1.0%
Frequency	20KHz	± 3.0%

Diode Test, Audible Continuity, Data Hold, Back Light, 9V NEDA 1604 Or 6F22 Battery, Low Battery Indication, Over Load Protection. Jaw Size: 45mm

Accessories: - Gift Box, Manual, Test Leads, Battery.

WACO-36 AUTO TRMS

600A AC/DC DIGITAL CLAMP METER

SPECIFICATION	RANGE	ACCURACY
Display	3 5/6Digits (5999 Counts)	
DC Voltage	600mV-6V-60V-600V-1000V	± 1.2%
AC Voltage	600mV-6V-60V-600V-750V	± 0.8%
DC Current	60A-600A	± 2.0%
AC Current	60A-600A	± 2.0%
Resistance	600Ω-6KΩ-60KΩ-600KΩ-6MΩ-60MΩ	± 1.2%
Capacitance	60nF-600nF-6μF-60μF-400μF-20mF	± 8.0%
Frequency	0-60MHz	± 1.0%

Diode Test, Audible Continuity, Data Hold, Zero Button, Back Light, 9V NEDA 1604 or 6F22 Battery, Low Battery Indication, Over Load Protection, Jaw Size: 40mm

Accessories: - Gift Box, Manual, Test Leads, Battery.

WACO-2782A

1000A AC/DC AUTO RANGING DIGITAL CLAMP METER

SPECIFICATION	RANGE	ACCURACY
Display	3 ¾Digits (3999 Counts)	
DC Voltage	400mV-4V-40V-400V-1000V	± 1.0%
AC Voltage	4V-40V-400V-750V	± 1.5%
DC Current	200A-1000A	± 3.0%
AC Current	400A-1000A	± 3.0%
Resistance	400Ω-4KΩ-40KΩ-400KΩ-4MΩ-40MΩ	± 1.2%
Capacitance	51.2nF-512nF-5.12μF-51.2μF-100μF	± 6.0%
Frequency	5.12Hz-51.2Hz-512Hz-5.12KHz-51.2KHz-512KHz-5.12MHz	± 1.2%
Temperature	-20°C to 1000°C	± 3.0%

Diode Test, Audible Continuity, Data Hold, Zero Button, Back Light, 9V NEDA 1604 or 6F22 Battery, Low Battery Indication, Over Load Protection, Jaw Size: 45mm

Accessories: - Gift Box, Manual, Test Leads, Battery.

WACO-3600A

1000A AC/DC AUTO RANGING DIGITAL CLAMP METER

SPECIFICATION	RANGE	ACCURACY
Display	3¾ digits(3999counts) LCD	
DC Volts	400mV-1000V	± 0.8%
AC Volts	400mV-700V	± 1.2%
DC Current	400A-1000A	± 2.0%
AC Current	400A-1000A	± 2.0%
Resistance	400Ω-40MΩ	± 1.0%
Capacitance	10nF-10mF	± 3.0%
Frequency	100Hz-40MHz	± 0.5%
Temperature	-50°C to 1000°C	

Duty Cycle, Diode Test, Continuity Test, Jaw Diameter : 52mm, Data Hold Option, Battery : 9V, Auto Power Off, Low Batter Indication

Accessories: - Gift Box, Manual, Test Leads, Battery.

Professional Testing Instruments

MADE IN INDIA

WACO - 2605A

DIGITAL CLAMP METER

SPECIFICATION	RANGE	ACCURACY
Display	3 ¾ Digits (3999 Counts) LCD	
DC Voltage	400V-1000V	± 0.5%
AC Voltage	400V-750V	± 1.5%
DC Current	400A-1000A	± 1.5%
AC Current	400A-1000A	± 1.5%
Resistance	0-400Ω	± 1.0%
Frequency	4KHz-40KHz-400KHz-4000KHz	± 0.1%

Diode Test, Audible Continuity, Data Hold, Max, 9V Battery Power Supply, Low Battery Indication, Over Range Displayed, Jaw Size: - 57mm

Accessories: - Gift Box, Manual, Test Leads, Battery.

WACO-DT 2250

DIGITAL CLAMP METER

SPECIFICATION	RANGE	ACCURACY
Display	3 ½ Digits (1999 Counts)	
DC Voltage	200mV-20V-1000V	± 0.5%
AC Voltage	200V-750V	± 1.2%
AC Current	20A-200A-1000A	± 2.5%
Resistance	200Ω-2KΩ-20KΩ-200KΩ-2MΩ-20MΩ	± 1.2%
Capacitance	200μF	± 3.5%
Frequency	40Hz	± 1.5%

Diode Test, Audible Continuity, Data Hold, 9V Battery Power Supply,

WACO-4455

2000A AC/DC AUTO RANGING DIGITAL CLAMP METER

SPECIFICATION	RANGE
Display	3½ digits,(1999counts)LCD
DC Volts	2V-2000V
AC Volts	2V-2000V
AC Current	20A-2000A
DC current	20A-2000A
Resistance	20Ω-20MΩ
Capacitance	20nF-2000uF
Frequency	2 KHz-40 KHz

Continuity Test, Diode Test, Duty cycle, Overload Protection, Jaw Diameter: 55mm Auto power off

Accessories: - Gift Box, Manual, Test Leads, Battery, Carrying Case.

WACO-DY 1200

EARTH GROUND RESISTANCE LEAKAGE CLAMP

EARTH GROUND RESISTANCE	RANGE	RESOLUTION	PRECISION
	0.01Ω ~ 0.99Ω	0.01Ω	±1% + 0.01Ω
	1.0Ω ~ 49.9Ω	0.1Ω	±1.5% + 0.1Ω
	50.0Ω ~ 99.5Ω	0.5Ω	±2% + 0.5Ω
	100Ω ~ 199Ω	1Ω	±3% +1Ω
	200Ω ~ 395Ω	5Ω	±6% + 5Ω
	400Ω ~ 590Ω	10Ω	±10% + 10Ω
	600Ω ~ 1000Ω	20Ω	±20% + 20Ω
Minimum Resolution	0.01Ω		Precision
	Range	Resolution	±2.0% + 0.05mA
	0 ~ 10mA	0.05mA	±2.0% + 0.3mA
	10mA ~ 100mA	0.1mA	±2.0% + 3mA
Leakage Current	100mA ~ 1000mA	1mA	±2.0% + 10mA
	1000mA ~ 5A	5mA	±2.0% + 20mA
	5A ~ 30A	10mA	
Measurement of Leakage Current	50Hz/60Hz, RMS		
Conductor Size	32* 65mm		

WACO-3604C

4 IN 1 INSULATION CLAMP METER

SPECIFICATION	RANGE	ACCURACY
Display	3 5/6 Digits (6000 Counts) LCD	
DC Voltage	600mV-6.0V-60V-600V-1000V	± 0.5%
AC Voltage(TRUE RMS)	600mV-6.0V-60V-600V-750V	± 1.5%
AC Current(TRUE RMS)	60A-600A-1000A	± 2.0%
Resistance	600Ω-6KΩ-6KΩ-60KΩ-600KΩ-6MΩ-60MΩ	± 1.0%
Temperature	-50°C to 1300°C/ -58°F to 2372°F	± 1.0%
Frequency	60Hz-600Hz-6KHz-60KHz-600KHz-6MHz-10MHz	± 0.1%
Capacitance	6μF-60μF-600μF-6mF	± 3.0%
Test Voltage	50V-100V-250V-500V-1000V	± 3.0%
Resistance	6G ohms	± 4.0%

Diode Test, Audible Continuity, Data Hold, Max/Min, 1.5V X 5 AA Battery Power Supply, Low Battery Indication, Over Range Displayed, Over Range Protection Jaw Size: - 57mm

Accessories: - Gift Box, Manual, Test Leads, Battery, Carrying Case.

WACO-4070

DIGITAL LCR METER

SPECIFICATION	RANGE
Display	3½ Digits (1999 Counts) LCD.
Capacitance	200PF - 2000μF
Inductance	200uH – 20H
Resistance	200Ω - 20MΩ
Diode Test	√
Sampling Rate	3 times per second
Over range display	"1"at the highest digital place
Power	9V Battery.

Low Battery Indication, Auto Power Off

WACO-2235B

CONTACT DIGITAL TACHOMETER

SPECIFICATION	RANGE	ACCURACY
Display	3½ Digit (1999 Counts) LED	
Display	3 ¾Digits (3999 Counts)	
DC Voltage	400mV-4V-40V-400V-1000V	± 1.0%
AC Voltage	4V-40V-400V-750V	± 1.5%
DC Current	200A-1000A	± 3.0%
AC Current	400A-1000A	± 3.0%
Resistance	400Ω-4KΩ-40KΩ-400KΩ-4MΩ-40MΩ	± 1.2%
Capacitance	51.2nF-512nF-5.12μF-51.2μF-100μF	± 6.0%
Frequency	5.12Hz-51.2Hz-512Hz-5.12KHz-51.2KHz-512KHz-5.12MHz	± 1.2%
Temperature	-20°C to 1000°C	± 3.0%

Accessories: - Gift Box, Manual, Battery.

WACO-2234C

NON-CONTACT DIGITAL TACHOMETER

SPECIFICATION	RANGE
Test Range	2.5-99.999 RPM (r/min)
Accuracy	± (0.05% +1 digit)
Resolution	0.1 RPM (2.5-999.9 RPM), 1 RPM (over 1,000 RPM)
Sampling Time	0.8 sec (over 60 RPM)
Test Range Select	Automatic
Detecting Distance	50-500mm
Memory	Last value, Max Value, Min Value
Time Base	6MHz Quartz Crystal
Sampling Time	0.5 sec. (ove5r 120 RPM)
Circuit	Exclusive one-chip of microcomputer LSI Circuit
Operation Temperature	0.50°C (32-122μF)
Power Consumption	Approx 35mA (LED), Approx 30mA (Laser)
Power Supply	4x1.5V Battery
Product Size	160 x 71 x 37 mm

1.5V x 4 Battery, Power Supply Manual, Soft Carrying Case & Gift Box.

Professional Testing Instruments

MADE IN INDIA

WACO - 2236C

COMBINED CONTACT / NON CONTACT DIGITAL TACHOMETER

SPECIFICATION	RANGE
Test Range (Contact)	0.5 -19.999 RPM (r/min)
Test Range (Non Contact)	2.5 -99.999 RPM (r/min)
Accuracy	± (0.05% +1 digit)
Resolution	0.1 m/min (0.5-999.9 RPM),
	1 m/min (0.5-999.9 RPM), 0.1 m/min (over 100 RPM)
Sampling Time	0.8 sec (over 60 RPM)
Test Range Select	Automatic
Detecting Distance	50-500mm
Memory	Last value, Max Value, Min Value
Time Base	6MHz Quartz Crystal
Sampling Time	0.5 sec. (ove5r 120 RPM)
Circuit	Exclusive one-chip of microcomputer LSI Circuit
Operation Temperature	0.50°C (32-122μF)
Power Consumption	Approx 35mA (LED), Approx 30mA (Laser)
Power Supply	4x1.5V Battery
Product Size	184 x 76 x 30 mm

1.5V x 4 Battery, Power Supply Manual, Soft Carrying Case & Gift Box.

WACO YX-360TRE-B

ANALOGUE MULTIMETER

SPECIFICATION	RANGE
DC Voltage	0.1mV – 0.5 – 10 – 50 – 250 – 1000V
AC Voltage	10 – 50 – 250 – 1000V
DC Current	50μA – 2.5mA – 25mA – 0.25A – 10A
Resistance	0.2Ω - 2K – 20K – 200K – 2M – 20MΩ
Decibel	AC10V – 50V – 250ACV
Iceo (leakage current)	150μA – 15mA – 150mA
hFE	0-1000

Diode test, Transistor testing, continuity Buzzer.

WACO-231

DIGITAL LIGHT METER

SPECIFICATION	RANGE
Display	3½ Digits (1999 Counts) LCD
Range	20-20,000 Lux (Lx1010BS)
	200-200,000 Lux (Lx1020BS)
Spectra accuracy	$f'_1 \leq 6\%$
Cos Reaction	$f'_2 \leq 2\%$
Accuracy	±3% Reading + 0.5% f.s
	±4%Reading + 10Digits for the Range of 20,000Lux
Repeatability	±2%
Temperature Coefficient	±0.1%/°C
Sampling Rate	2Samples/Sec
Working Temp	32°F-104°F
Working Humility	0-80% RH
Storage Temperature	14°F - 122°F
Storage Humility	0-70% RH
Photo Sensor Test Lead	4.92 inch

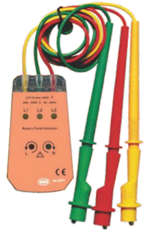
WACO-PG10A

DIGITAL POWER MONITOR / GUARD SAVE A WATT

SPECIFICATION	RANGE
Accuracy	1.0
Constant	6500imp/kWh
Power Dissipation	<1W
Operating Temperature	0~45*C
Maximum Related Current Value of the	upto 10amp
Active Power	√
Applicable Power Supply	220V, 50Hz
Record the Total Time Consumption	√
Record the Total Electricity Consumption	√
Calculate Co2 Emissions	√
Power Factor Detection	√
Se the Alarm Threshold Load	√
Large LCD Display with Back Light	√
Working Voltage	180V to 260V
Maximum Power	2200W
Maximum Accumulated Electric Quantity	99999KWH
Power Factor	0.001 to 1.000

Product Application : Teaching, Demonstration & Testing of Electrical Energy, Consumption of House Hold / Office Appliance. It can be used in Houses, Offices, Shops, Schools, Laboratories etc.

WACO-5801
PHASE SEQUENCE INDICATOR



- Aesthetic appearance compact, portable use.
- PC-shell material, safe and durable.
- Products designed to meet CAT III 600V safety standards.
- LED and beep tips, judge the rotation sequence and direction
- Phase sequence detection voltage range : 200V-600V
- Phase sequence test frequency range : 20Hz - 400Hz.
- Environment - friendly design, without the use of batteries.

9V Battery, Power Supply Manual, Soft Carrying Case & Gift Box.

WACO-JT 550C
INFRARED IR THERMOMETER

SPECIFICATION	RANGE
Temperature range	-40 to 550°C(-40 to 1022°F)
Accuracy	±2°C or ±2%
Repeatability	1% of Reading or 1°C
Response Time	500mSec, 95% Response
Spectral Response	8-14um
Emissivity	pre-set 0.95
Operating Range	0 to 40°C(32 to 104°F)
Distance to spot Size	8:1

°C/°F Selection , Display : LCD, Data Hold Option,
Laser Point, Back light Selection, Battery : 9V, Auto Power Off

CHY TG-05
2 IN 1 COATING THICKNESS GAUGE

SPECIFICATION	RANGE	ACCURACY
LCD Display Operating Environment : 32° F to 122°F at <75% R.H.		
Display Resolution	: 0.1mils/1µm	
Ferrous Thickness Range : 0 to 80.0mils (0 to2000µm)		± 0.5%
Non-Ferrous Thickness Range : 0 to 40.0mils (0 to1000µm)		± 1.2%

µm/mils user Selective, Back Light, Auto Power Off, Response Time : 1 Second, Battery,
Low Battery Indication, Data Logging Function, Solf carrying case, MAX./MIN Reading.

WACO-305
DIGITAL K-TYPE THERMOMETER

SPECIFICATION	RANGE
Display	3½ Digits (1999 Counts) LCD.
Measurement Range	-50 to 1300°C, -50 to 1999°F.
Resolution	0.1°C, 1°C,0.1°F,1°F.
Maximum Voltage Input	60V DC, 24V AC.
Ambient Operating Range	0 to 50°C (32 to 122°F)
Storage Temperature	-40 to 60°C (-40 to 140°F)
Humidity	0% to 90%(0 to 35°C), 0% to 70% (35 to 50°C).

WACO-6013
DIGITAL CAPACITANCE METER

SPECIFICATION	RANGE
Display	3½ digits (1999 counts) LCD
Reading	2-3 readings/sec.
Capacitance	200PF - 20mF (20,000µF)
Power	9V Battery
Guarantee	One year
On/Off Button	√
Data Hold Button	√

WACO-AC IV
AC VOLTAGE DETECTOR

SPECIFICATION	RANGE
Display	LCD
Never Test Voltage	More Than 1000V AC
Test Voltage Range	12V- 48V - 1000V AC IP54, IEC 1010
Battery Life	6 Hours on Continuous Use
Sound (buzzes)	√
AC voltage detection	High / Low sensitivity

PLX-111
PEN TYPE LIGHT METER

SPECIFICATION

- 0 TO 20,000 Lux, 0 t0 2000 Ft-cd
- Unit : Lux, Ft-cd.
- Auto Range
- Pen type, all in 1, easy carry out
- Hold function to freeze display value
- DC 1.5V battery (UM-4, AAA) x 4

TR-LXT1A4
LIGHT TRANSMITTER

SPECIFICATION

- Ranges : 2,000 / 20,000 / 50,000 Lux
- Output : 4 to 20 MA, DC
- Power : 90-260 ACV

LX-1102
LIGHT METER

SPECIFICATION

- Large LCD with bar graph, Fc & Lux select
- 40.00 / 400.00 / 4,000 / 40,000 / 400,000 Lux
- Sensor meet C.I.E. spectrum, 2 filters
- Zero adjust, bar graph LCD
- RS-232 / USB, Hold, Record

LX-107HA
LIGHT METER

SPECIFICATION

- 2,000 / 20,000 / 100,000 Lux, Data hold
- Lux, Ft-candle, max., min., zero, 2 filters
- Tungsten, Fluorescent, Mercury, Sodium
- Size : 185 x 78 x 38 mm
- 4 Light
- Type select micro processor circuit

UVA-365
UVA LIGHT METER, RS-232

SPECIFICATION

- UVA Ultra-Violet radiometer
- 3 ranges : 199.9 µW/cm² x 0.1 µW/cm²
- 1.999 mW/cm² x 0.001 mW/cm²
- 19.99 mW/cm² x 0.01 mW/cm²
- Data Hold
- Max., Min., Memory recall button
- Size : 180 x 72 x 32mm

UVC-254
UVA LIGHT METER, RS-232

SPECIFICATION

- UVA Ultra-Violet radiometer
- 3 ranges : 199.9 µW/cm² x 0.1 µW/cm²
- 1.999 mW/cm² x 0.001 mW/cm²
- 19.99 mW/cm² x 0.01 mW/cm²
- Data Hold
- RS232 / USB computer interface
- Max., Min., Memory recall button
- Size : 180 x 72 x 32mm

LX-107HA
LIGHT METER

SPECIFICATION

- 2,000 / 20,000 / 100,000 Lux, Data hold
- Lux, Ft-candle, max., min., zero, 2 filters
- Tungsten, Fluorescent, Mercury, Sodium
- Size : 185 x 78 x 38 mm
- 4 Light
- Type select micro processor circuit

LX-1108
LIGHT METER, 4 LIGHT TYPES

SPECIFICATION

- Large LCD display with bar graph display
- 40.00 / 400.0 / 4,000 / 40,000 / 400,000 Lux
- Lux, Foot - candle unit selection
- Sensor meet C.I.E. Spectrum, 2 Filters
- RS-232/USB, Hold, Record, Zero adjust
- 4 light type selection, bar graph LCD

UV-340
UV LIGHT METER

SPECIFICATION

- Spectrum : 290nm - 390nm
- Application : UVA and UVB measurement
- Range : 1999, 19990 U/W/cm^2
- Separate probe
- Size : 131 x 70 x 25mm

LX-101
LIGHT METER, POCKET

SPECIFICATION

- 2,000 / 20,000 / 50,000 Lux, Zero Adjust
- 2 Filters, Spectrum meet C.I.E.

LX-1128SD
SD Card Real Time Data Record LIGHT METER + TYPE K/J TEMP.

SPECIFICATION

- Real time date logger, save the data into the SD memory card and can be download to the Excel
- 3 ranges, 2,000/20,000/100,000 Lux
- Lux & Foot Candle unit selection with default
- Auto range for light measurement
- Sensor meet C.I.E. spectrum, 2 filters
- Separate probe, easy operation
- Type K Thermometer : -100 to 1300°C, °C/°F
- Type J Thermometer : -100 to 1200°C, °C/°F
- Data hold, Record (Max., Min.)
- RS232/USB, Zero adjust
- Patented

AM-4221
+TEMPERATURE CUP ANEMOMETER

SPECIFICATION

- Out side air speed measurment
- 0.9 to 35.0 m/s, ft/min., km/h, mile/h, knots.
- Temperature : 0 to 50 °C, 0C/ °F.
- All in one, hand held type.
- Cup type probe, high reliability.
- LCD display, Record (max., min.).
- IP-65 Water resistance, heavy duty.
- DC 1.5V battery (UM-4, AAA) x 4.

AM-4222
+TEMPERATURE CUP ANEMOMETER

SPECIFICATION

- Model : AM - 4222
- Air Velocity 0.4 to 30.0 m/s
- Temperature : 0 to 50 0C, 0C/0F.
- Unit : m/s, ft/min., km/h, mile/h.
- Temp : 0 to 50 0C, 0C/0F.
- All in one, compact and handheld type.
- Cup type probe, high reliability.
- LCD display, Data hold.
- DC 1.5V battery (UM-4, AAA) x4.

AM-4202
ANEMOMETER (w/temp.)

SPECIFICATION

- 0.4 to 25.0 m/s, ft/min., km/h, mile/h, knots.
- Temperature, Date hold, 18 mm LCD.
- Low-friction ball-bearing vane.
- ANEMOMETER (Without Temp.)
- Model : AM - 4201

TR-AMT1A4
ANEMOMETER TRANSMITTER

SPECIFICATION

- Range : 30 m/s
- Output : 4 to 20 mA, DC.
- Power : 90-260 ACV.

AM-4204
HOT WIRE ANEMOMETER (w/temp.)

SPECIFICATION

- 0.2 to 20.0 m/s. high precision for low air velocity
- measurement.
- m/s, ft/min, km/h, mile/h, knots, 0C/0F.
- Max. Min. Data hold.
- RS-232/USB computer interface,
  Size : 180 x 72 x 32 mm. Telescope probe.

Professional Testing Instruments

Lutron
MADE IN TAIWAN

AM-4206M
ANEMOMETER, METAL VANE, AIR FLOW

SPECIFICATION

- Range 0.5 to 35.0 m/s.
  CMM (m3min.), CFM (ft3/min.).
- Other function are same as AM-4206, use
- metal vane probe, heavy duty.

AM-4237SD
SD Card Real Time Data Record Humidity/Temp., type K/J Temp. ANEMOMETER, + AIR FLOW

SPECIFICATION

- Real time date logger, save the date into the SD memory card and can be downloaded to the Excel. extra software is no need
- Air velocity/Temp. measurement, professional
- 0.4 to 25.0 m/s. ft/min, km/h, knots, mile/h.
- Humidity/%RH : 10 to 95%RH.
- Dew point, WET bulb, Temp.
- Plastic vane probe, low friction ball-bearing vane
- Type K/J Thermometer, optional type K Temp. probe.
- Date hold, Record (Max., Min.).
- Two probes, anemometer and humidity/Temp. probe.
- RS232/USB, computer interface.

AM-4207SD
SD Card Real Time Data Record LIGHT METER + type K/J Temp.

SPECIFICATION

- Real time date logger, save the data into the SD memory card and can be downloaded to the Excel. extra software is no need.
- Air velocity/Temp. measurement, professional
- 0.4 to 25.0 m/s. ft/min, km/h, knots, mile/h
- Low friction ball - bearing vane
- Seperate probe, high reliability
- Humidity %RH : 5 to 95%RH
- Type K Thermometer : 100 to 1300 °C, °C/°F.
- Type J Thermometer : 100 to 1200 °C, °C/°F.
- Data hold, Record (Max., Min.).
- RS232/USB, computer interface.
- Patented.

AM-4214SD
SD Card Real Time Data Record Humidity/Temp., type K/J Temp. HOT WIRE ANEMOMETER, + Type K/J Temp.

SPECIFICATION

- Real time date logger, save the data into the SD memory card and can be downloaded to the Excel. extra software is no need.
- Air velocity/Temp. measurement, professional
- 0.4 to 25.0 m/s. ft/min, km/h, knots, mile/h, °C/°F.
- TType K Thermometer : 100 to 1300 °C, °C/°F.
- Type J Thermometer : 100 to 1200 **°C, °C/°F.**
- Data hold, Record (Max., Min.).
- RS232/USB, computer interface.
- Patented.

AM-4224SD
SD Card Real Time Data Record LIGHT METER + type K/J Temp.

SPECIFICATION

- Real time date logger, save the data into the SD memory card and can be downloaded to the Excel. extra software is no need.
- Air velocity : 0.2 to 25.0 m/s, high precision for
- low air velocity
- Air Flow : CMM, CFM
- M/s, ft/min, km/h, knots, mile/h, °C/°F
- Humidity : 10 to 95% RH
- Dew Point, Wet bulb
- Type K Thermometer : 100 to 1300 °C, °C/°F.
- Type J Thermometer : 100 to 1200 **°C, °C/°F.**
- Data hold, Record (Max., Min.).
- Complete set with two probes : Hot wire anemometer probe and Humidity/Temp. probe
- RS232/USB, computer interface.
- Patented.

AM-4247SD
SD Card Real Time Data Recorder Humidity/Temp., type K/J temp. ANEMOMETER + Air flow

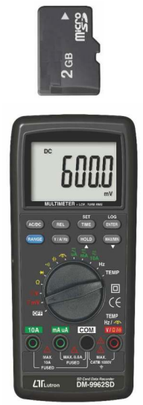
SPECIFICATION

- Real time date logger, save the data into the SD memory card and can be downloaded to the Excel. extra software is no need.
- Air velocity/Temp. measurement, professional
- 0.4 to 25.0 m/s. ft/min, km/h, knots, mile/h
- Air Flow : CMM, CFM
- Humidity/%RH : 5 to 95 %RH
- Dew Point, Wet bulb, Temp.
- Heavy duty metal vane probe, low friction ball bearing vane
- Type K/J Thermometer, optional type K Temp. probe.
- Data hold, Record (Max., Min.).
- Two probes : anemometer & humidity / Temp. probes
- RS232/USB, computer interface.

AM-4233SD
SD card real time data recorder Air Low (CMM, CFM) ANEMOMETER, + Type K/J temp.

SPECIFICATION

- Mini vane with 35mm Dia., low friction ball rearing mounted wheel design provides high accuracy at high and low air velocity
- Telescope probe, extension length 620mm max.
- Replacement anemometer van set
- Real time date logger, save the data into the SD memory card and can be downloaded to the Excel. extra software is no need.
- Air velocity / Temp. measurement, professional
- 0.4 to 20.0 m/s, ft/min., km/h., knots, mile/h.
- Air Flow : CMM, CFM
- Low friction ball - bearing vane
- Seperate probe, high reliability Humidity %RH : 5 to 95 %RH
- Type K Thermometer : 100 to 1300 °C, °C/°F.
- Type J Thermometer : 100 to 1200 °C, °C/°F.
- Data hold, Record (Max., Min.).
- RS232/USB, computer interface.
- Patented.



DM-9962SD
SD Card real time data recorder MULTIMETER, +LCR, 6,000 counts DATA RECORDER

SPECIFICATION

- Real time data logger, save the data into the micro SD memory card and can be downloaded to the Excel, extra software is no need.
- Real time data logger, built in clock (year/month/date/hour /minute/second), sample time. 2 to 3600 seconds.
- CAT III 1000V
- True RMS, auto/manual range.
- Large LCD 6,000 counts.
- Main functions : ACA, ACV, DCA, DCV, ohm, continuity buzzer, diode, capacitance, Inductance, Hz, temperature.
- uA, mA, 10 Amp current measurement with fuse protection.
- Data hold, relative, Max., Min.,
- Auto power off.
- RS232/USB computer interface.
- SD memory card capacity 1 GB to 32 GB, micro SD card.
- Powered by DC 9V battery (006P, Alkaline type), or DC 9V adapter, SD card data record function is available when the power supply is to use the DC 9V adapter.
- Optional hoister, HS-03
- Optional data acquisition software, SW-U801-WIN, SW-E802

AM-4223
VANE ANEMOMETER / HUMIDITY / TEMPARATURE

SPECIFICATION

- Air velocity : 04 to 30.0 m/s, ft/min, km/h, mile/h, knots
- Humidity : 10% to 95% RH, Dew.
- Temperature : 0 to 50 °C, °C/°F
- All in one, hand held type
- Vane probe for anemometer
- Hold, Record (Max., min.)
- DC 1.5V Battery (UM-4, AAA) x 4

AM-4202
4 in 1 ANEMOMETER, HUMIDITY METER, LIGHT METER, TYPE K THERMOMETER

SPECIFICATION

- Humidity : 10% to 95% RH, °C/°F
- Anemometer : 04 to 30.0 m/s
- Anemometer Unit : m/s, km/h, MPH, knots, ft/min, °C/°F
- Light : 0 to 20,000 Lux, 0 to 1,680 Ft-cd, auto range
- Type K Thermometer : 100 to 1300 °C, °C/°F
- Data hold, Record (Max., min.)
- Tiny bone shape with light weight and small size
- Same as LM-8000A but with air flow (CMM, CFM)

VB-8220
VIBRATION METER, ACC., VELOCITY, DISP.

SPECIFICATION

- Seperate professional vibration sensor
- Acceleration : 200 m/s²
- Velocity : 200 mm/s
- Displacement (p-p) : 2.0 mm
- RMS peak value
- RS-232/USB computer interface
- Had carrying case included
- DC 9 V battery (006P)

PVB-820
PEN VIBRATION METER

SPECIFICATION

- Function : Acceleration, Velocity
- Acceleration : 200 m/s², 20.00 G.
- Velocity : 200 mm/s², 20.00 cm/s.
- Frequency : 10 Hz to 1 KHz.
- Meet ISO2954, Data hold, Memory (Max., Mim.)
- DC 1.5 V battery (UM-4, AAA) x 4 PCs.

Professional Testing Instruments

Lutron
MADE IN TAIWAN

VT-8204
VIBRATION / TACHOMETER, 3 in 1

SPECIFICATION

- Separate professional vibration sensor Vibration meter : Acceleration : 200 m/s², RMS, PEAK, Max. Hold, g, ft/s²
- Velocity : 200 mm/s, RMS, PEAK, Max., Hold, cm/s, inch/s.
- Displacement (p-p) : 2mm. Max. Hold, cm, inch.
- Tachometer (contact) : m/min., ft/min., inch/min.
- Laser photo techometer
- 1600 data logger point
- data hold, record (Max., Min.)
- Optional IR probe, IR 962
- RS-232/USB computer interface
- DC 1.5V (UM-3, AAA) x 4 PCs.
- Patented

VB-8201HA
VIBRATION METER

SPECIFICATION

- Acceleration : 200 m/S Velocity : 200 mm/S Acceleration : 200 m/s²
- RMS, Peak Hold, Max./Min.
- Size : 185 x 78 x 38mm

VB-8203
PEN VIBRATION METER

SPECIFICATION

- Acceleration : 200 m/s²
- Velocity : 200 mm/s²
- Displacement (p-p) : 2mm
- Max. hold, peak value, date hold
- Memory (Max., Min.)
- LCD display with bar graph
- RS-232/USB interface, data logger
- Hard carrying case in included
- Size : 200 x 68 x 30mm
- Power : 9V battery

HT-315
80 °C, wide temperature, RS232 POCKET HUMIDITY METER

SPECIFICATION

- Measurements Humidity, Temp.,Dew point.
- Pocket and compact housing case.
- Fast response time.
- Humidity / %RH : 10 to 95 % RH.
- Temp. : 0 to 80.0 °C.
- Resolution : 0.01 %RH, 0.01 degree.
- Data logger with 1000 reading value.
- DC 9V battery or AC/DC adapter power in.
- RS-232/USB, Seperate probe.

VB-8206SD
SD Card Real Time Data Record Accelerations, Velocity, Displacement, VIBRATION METER

SPECIFICATION

- Real time date logger, save the data into the SD memory card and can be downloaded to the Excel. extra software is no need.
- Acceleration : 200 m/s²
- Velocity : 200 mm/s²
- Displacement : 1.999mm
- Frequency range 10 Hz - 1 Khz, sensitivity
- relative meet ISO 2954
- Professional vibration meter supply with
- vibration sensor and magnetic base, full set.
- Metric & Imperial display unit.
- Max hold, peak value, data hold
- Memory (Max., Min) Zero button
- RS232/USB, computer interface, Patented
- Vibration sensor is the standard accessory
- Patented.

SL-4035SD
SD Card Real Time Data Recorder INTEGRATING SOUND LEVEL METER, CLASS-2

SPECIFICATION

- Real time date logger, save the data into the SD memory card and can be downloaded to the Excel. extra software is no need.
- Frequency and time weighing meet IEC 61672-1 class 2, IEC 60804 type 2, ANSI S 1.43 type 2
- Measuring modes : SPL, Leq.
- Auto range : 80 to 130dB
- Two manual ranges: 30 to 80dB, 80 to 130 dB
- A/C frequency weighting
- Fast / slow time weighting
- Dot matric LCD with backlight
- RS232/USB, computer interface
- Optional wind shield ball, SB-01
- Patented.

SL-4001
SOUND LEVEL METER

SPECIFICATION

- Frequency & time weighting meet IEC 61672 class 2
- A, C weighting, Max., hold, Data Hold, Fast/slow time weighting. AC/DC output.
- Range : 3 ranges, 30 to 130 dB
- Size : 245 x 80 x 35 mm

SL-4010
SOUND LEVEL METER ECONOMICAL TYPE

SPECIFICATION

- Frequency & time weighting meet IEC 61672 class2
- 35 to 135 dB, 3 ranges, Data Hold
- A frequency weighting, Fast time weighting
- Size : 250 x 83 x 32 mm

SL-4011
SOUND LEVEL METER ECONOMICAL TYPE

SPECIFICATION

- Frequency & time weighting meet IEC 61672 class2
- A, C weighting, Max., hold, Data Hold, Fast/slow time weighting.
- AC/DC output, Max, Hold
- Reset button for max. hold
- Range : 3 ranges, 35 to 130 dB

SL-4012
SOUND LEVEL METER, AUTO RANGE & RS-232

SPECIFICATION

- 30 to 130dB, Auto range, Manual range
- Frequency & time weighting meet IEC 61672 class 2
- A & C Frequency weighting
- Fast/Slow time weighting, data hold
- Peak hold, Memory (Max. Min.)
- AC output ^ RS-232/USB computer interface
- Size : 268 x 68 x 29mm

SL-4023SD
SD Card Real Time Data Recorder SOUND LEVEL METER, CLASS-2

SPECIFICATION

- Real time date logger, save the data into the SD memory card and can be downloaded to the Excel. extra software is no need.
- Frequency and time weighting meet IEC 61672 Class 2
- Auto range : 80 to 130dB
- 3 Manual ranges: 30 to 80dB, 50 to 100dB, 80 to 130 dB
- A/C frequency weighting
- Fast / slow time weighting
- Peak hold, Data hold
- Record (Max. Min.)
- RS232/USB, computer interface
- Optional wind shield ball, SB-01
- Patented.

SL-4033SD
SD Card Real Time Data Recorder SOUND LEVEL METER, CLASS-2

SPECIFICATION

- Real time date logger, save the data into the SD memory card and can be downloaded to the Excel. extra software is no need.
- Frequency and time weighting meet IEC 61672 Class 2
- Auto range : 30 to 130dB
- 3 Manual ranges: 30 to 80dB, 50 to 100dB, 80 to 130 dB
- A/C frequency weighting
- Fast / slow time weighting
- Peak hold, Data hold
- Record (Max. Min.)
- RS232/USB, computer interface
- Optional wind shield ball, SB-01
- Patented.

DT-2230
PHOTO / CONTACT TACHOMETER, POCKET TYPE

SPECIFICATION

- Mini pocket size, easy carryout
- Photo Tach. : 5 to 100,000 RPM
- Contact Tach. : 0.5 to 19,999 RPM
- Surface Speed : m/min, ft/min
- Laser beam for Photo tachometer, long
- measuring distance
- LCD display, RS-232/USB interface.
- Patented
- DC 1.5V battery (UM-4, AAA) x 4

DT-2236
PHOTO / CONTACT TACHOMETER

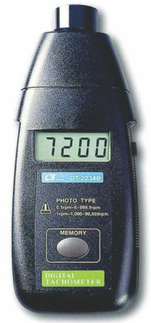
SPECIFICATION

- Photo Tach. : 5 to 100,000 RPM
- Contact Tach. : 0.5 to 19,999 RPM
- Surface Speed : m/min, ft/min
- Size : 215 x 65 x 38 mm
- Patented

DT-2238
PHOTO / CONTACT TACHOMETER

SPECIFICATION

- Photo Tach. : 5 to 100,000 RPM
- Contact Tach. : 0.5 to 19,999 RPM
- Surface Speed : m/min, ft/min
- Size : 195 x 61 x 38.5 mm
- Patented



DT-2234B
PHOTO TACHOMETER

SPECIFICATION

- Photo Tach. : 5 to 100,000 RPM
- Contact Tach. : 0.5 to 19,999 RPM
- Surface Speed : m/min, ft/min
- Size : 215 x 65 x 38 mm
- Patented

DT-1236L
LASER PHOTO / CONTACT TACHOMETER

SPECIFICATION

- Patented, the best tachometer in the worls
- Long detecting distance for photo Tach. upto 2 meters.
- Photo & Contact Tachometers in one Meter
- Fas sampling time for low contact RPM measurement, automatic reverse display
- Photo Tach. : 10 to 99,999 RPM
- Contact Tach. : 0.5 to 19,999 RPM
- Surface Speed : m/min, ft/min
- Size : 215 x 67 x 38 mm, patented

DT-2235B
CONTACT TACHOMETER

SPECIFICATION

- Contact Tach. : 0.5 to 19,999 RPM
- Surface Speed : m/min, ft/min, inch/min

CM-9930
2000 A DCA/ACA CLAMP METER + DMM, TRUE RMS

SPECIFICATION

- Heavy duty, CATIII-1000V
- 4,000 counts
- Auto range, Panel water resistance
- ACA (2000A, 400A), DCA (2000A, 400A), DCV, ACV, Capacitance, Frequency, Duty Cycle, Relative, Continuity, ohms.
- 51mm measuring conductor size
- 240 A-240mA small direct current input.
- Size : 255 x 73 x 38 mm

DL-9954
ACA LEAKAGE TESTER, AUTO RANGE

SPECIFICATION

- High precision mA leakage measuring
- ACA 40 mA x 0.01 mA
- ACA 400 mA x 0.1 mA
- ACA 40 A, 120A
- Ohms, Diode, Continuity beeper, hold.
- AC Voltage, DC Voltage
- LCD display
- DC 1.5 bayyery (UM-3, AA) x 2

HT-3007SD
SD Card real time dada recorder HUMIDITY/TEMP. METER, + type K/J Temp

SPECIFICATION

- Real time data logger, save the measuring data along the time information into the SD memory card and can be downloaded to the Excel extra software no needed.
- Humidity / %RH : 5 to 95 % RH.
- Humidity/Temp. : 0 to 50.0 °C, °C/°F.
- Type K Thermometer : -100 to 1300 C, C/F.
- Type J Thermometer : -100 to 1200 °C, °C/°F.
- Data hold, Record (Max., Min.,).
- RS232/USB computer interface.
- Patented.

HT-305
POCKET HUMIDITY METER, economical type

SPECIFICATION

- Measurements : Humidity, Temp.,Dew point.
- Pocket and compact housing case.
- Fast response time.
- Humidity / %RH : 10 to 95 % RH. Temp. 0 to 50.0 °C.
- Resolution : 0.1 %RH, 0.1 degree.
- DC 9V battery (006P).
- Seperate probe.
- Size : 135 x 60 x 33 mm.

OXEL-03 OXHD-04

OXEL-03
DO PROBE FILLING ELECTROLYTE

OXED-04
DO PROBE HEAD DIAPHRAGM SET

DL-6054
ACA LEAKAGE TESTER

SPECIFICATION

- AC 200 mA x 0.1 mA
- AC 20 A x 0.1 A, AC 200A x 0.1A
- High precision mA leakage measuring
- Size : 180 x 47 x 35mm

CM-6146
SMART, 1000A, ECONOMICAL DCA/ACA CLAMP METER

SPECIFICATION

- V: Smart ACV/DCV, Automatically
- Ohms : Resistance, Diode, Continuity, Capacitance, automatically
- 600A : Smart DC /ACA
- 2000 A : Smart DCA /ACA
- Function keys : Select, Zero, Hz. Max/Min., Range, Hold
- CAT III 1000V, CAT IV 600V
- 32mm measuring conductor size
- Auto power off

CM-6158
SMART, 2,000A, + Max. hold DCA/ACA CLAMP METER

SPECIFICATION

- V: Smart ACV/DCV, Automatically
- Ohms : Resistance, Diode, Continuity, Capacitance, automatically
- 600A : Smart DC /ACA
- 2000 A : Smart DCA /ACA
- Function keys : Select, Zero, Hz. Max/Min., Range, Hold
- CAT III 1000V, CAT IV 600V
- 48mm measuring conductor size
- Auto power off

5510
DISSOLVED OXYGEN METER

SPECIFICATION

- µ-P Circuit, LCD with annunciator
- Dissolved Oxygen range : 0 to 20.0 mg/L.
- Temp. : 0 to 500C, °C/°F
- Max., Min., Memory recall button
- DO, Oxygen in air, Temp., ATC, Auto Calibration % salt, RS232/USB
- Head diaphragm set & electrolyte are included

DO-5509
DISSOLVED OXYGEN METER, POCKET

SPECIFICATION

- Range : 0 to 20.0 mg/L. ATC
- Head diaphragm set & electrolyte are included

DO-5512SD
SD CARD REAL TIME DATA RECORDER DISSOLVED OXYGEN METER

SPECIFICATION

- Real time data logger, save the data into the SD memory card and can be downloaded to the Excel, extra software is no need.
- Use the polar graphic type Oxygen probe with temperature sensor, high precision measurement for Dissolved Oxygen (DO) and temperature measurement.
- Dissolved oxygen range : 0 to 20 mg/L.
- Auto Temp. compensation, Auto Calibration
- % salt and height value compensation adjustment.
- Probe head with diaphragm set and electrolyte are included.
- Dissolved oxygen probe head can be connected with BOD bottle.
- Record (Max., Min.), Data hold, zero adjust.
- RS232/USB computer interface.
- Patented.

CMF-3200
FLEXIBLE CLAMP METER

SPECIFICATION

- Flexible clamp meter, complete set with meter
- Slim flexible clamp probe, easy and convenient to measure the ACA to 3000A (auto range)
- The meter also has more other features available for the ACV, DCV, Ohm, capacity, diode, continuity measurement
- Flexible probe length : 300mm (11.8inch)
- Flexible probe diameter : 8mm
- AC 3000A / 600A, auto range
- V: ACV, DCV, measurement automatically
- : Ohm, Diode, Continuity, Capacitance, automatically
- Push button key : Power, Hold, Select
- LCD Display is 6000 counts
- Auto power off
- CAT III 1000V
- Power supply : DC 1.5V battery (AAA) x 2 PCs.

DO-PDO-519
DISSOLVED OXYGEN METER all in 1

SPECIFICATION

- Range : 0 to 20.0 mg/L. x 0.1 mg/L.
- Temperature : 0 to 50°C.
- LCD display, pocket size.
- Automatic temp. compensation.
- Probe with the meter, all in one
- Polarographic type oxygen electrode, professional
- Data hold, Record (max., min.)
- IP-67 Water resistance, heavy duty
- External calibration buttons.
- DC 1.5V battery (UM-4, AAA) x 4

DO-PDO-520
Separate Probe DISSOLVED OXYGEN METER

SPECIFICATION

- Range : 0 to 20.0 mg/L. x 0.1 mg/L.
- Temperature : 0 to 50°C, °C/°F
- Automatic temp. compensation.
- Seperate DO probe easy for remoting operation.
- Polarographic type oxygen electrode, professional
- Data hold, Record (max., min.)
- External calibration buttons.
- DC 1.5V battery (UM-4, AAA) x 4

TQ-8800
TORQUE METER, 15Kg-cm

SPECIFICATION

- Professional torque meter with separate probe
- 15 Kg - cm torque sensor included
- 3 units : 15 Kg-cm/13 LB-inch/147, 1 N-cm
- Peak, Data Hold Zero , Max/Min., Fast/Slow.
- Size : 180 x 72 x 32 mm. RS232/USB

TM-917
PRECISION 0.01 DEGREE THERMOMETER

SPECIFICATION

- PT 100 Ohm : -199. C to 850 C, + Type J/K/R/E/T
- 001/0.1 degree, Memory, °C/°F RS-232USB

TP-100
PT 100 ohm TEMP, PROBE

DT-2199
BATTERY POWER, LED ARRAY STROBOSCOPE

SPECIFICATION

- Stroboscope uses high intensity LED array,
- LCD display with backlight.
- Range : 100 to 99,999 RPM.
- Power supply : Batteries 1.5 V (UM-1, D) x 4 Pcs.
- AC / DC adapter is optional.

DT-2239A (AC 110V)
DT-2239A (AC 220V or 230V)
DIGITAL STROBOSCOPE, ROTARY KNOB ADJ.

SPECIFICATION

- Range : 100 - 10,000 RPM.
- Accuracy : ± (0.05 % + 1 d)
- Xenon flash tube, Display : 10 mm red LED.
- Size 210 x 120 x 120 mm.

DT-2349
DIGITAL SYNTHESIS, HIGH INTENSITY LIGHT STROBOSCOPE

SPECIFICATION

- New generation Stroboscope
- Digital synthesis circuit, high stability and easy adjustment
- Range : 5 to 32,000 RPM.
- Adjustment resolution : 0.1 RPM/1 RPM.
- High intensity light
- Setting button : digital rotate button, x 2 button, 2 button + button, - button, easy to adjust the desired RPM.
- ACV Power supply : ACV (100V to 240V) to DC 9V (3A) adapter, power adapter is included.
- DCV Power supply : Built in battery compartment, power can use the DC 1.2V Ni-MH recharge battery (UM-1, D size) x 4 PCs which are not included.

DT-2269 (AC 110V)
DT-2269A (AC 220V or 230V)
RS232+ PUSH BUTTON ADJ. DIGITAL STROBOSCOPE

SPECIFICATION

- Range : 5 to 12,000 RPM.
- RPM setting by push button. External trigger signal input for simultaneous testing and measurement.
- Xenon flash tube, Display : 14mm red LED.
- RS-232USB computer interface.
- Optional, RS232 interface cable UPCB-02, USB interface cable USB-01.
- Optional software, SW-U801-WIN.

DT-2299
BATTERY POWER, LED ARRAY STROBOSCOPE

SPECIFICATION

- Stroboscope uses high intensity LED array,
- LCD display with backlight.
- Range : 100 to 99,999 RPM.
- External trigger for stroboscope.
- Photo Tach, range : 10 to 99,999 RPM.
- Photo tachometer uses the laser light beam. Optional contact tach. adapter, TA-35.
- Power supply : Batteries 1.5 V (UM-1, D) x 4 Pcs.
- AC / DC adapter is optional.

DT-2259
TACHOMETERS / STROBOSCOPE

SPECIFICATION

- Tachometer combine stroboscope . 2 in 1.
- Photo Tach. : 5 to 99, 999 RPM.
- Stroboscope : 100 to 100,000 FPM/ RPM.
- 4 x 1.5 V, AA(UM-3) battery power.
- Size : 215 x 65 x 38 mm.

RGB-1002
COLOUR ABALYZER probe + meter, RS232

SPECIFICATION

- Measuring sample : no lighting sample textile, Paper, leather.) HSL value (Hue/Saturation/Luminance).
- R (Red) Value : 0 to 1023
  G (Green) Value : 0 to 1023.
- Blue (Blue) Value : Oto 1023
- 45° / 0° color measuring geometry.
- Used the spectra analysis method to determine the colour of the sample.
- Complete set included the colour probe and the meter,
- show RGB or HSL value at same time
- RS232/USB computer interface.
- Power : 006P DC 9V battery.
- Meter size : 203 x 76 x 38 mm.

Type K Temp. probes (optional)

BTM-4208SD
SD Card real time dada logger 12 Channels TEMPERATURE RECORDER

SPECIFICATION

- 12 Channels Temperature recorder, use SD card to save the data along with time information, paperless.
- Real time data logger, save the measuring data along the time information into the SD memory card and can be downloaded to the Excel, extra software no needed.
- Channels no. : 12 channels (CH1 to CH12)
- Type J/K/T/E/R/S thermocouple
- Auto data logger or Manual data logger
- Logger sampling time range : 1 to 3600 sec.
- Memory card : 1 GB to 16 GB
- RS232/USB computer interface

TM-916
DUAL THERMOMETER

SPECIFICATION

- µ-P Circuit, LCD with display unit
- Range :- 50 to 1230 °C
- Max., Min., Memory recall button.
- °C/°F, 0.1/1°, T1, T2, T1-T2
- Size : 180 x 72 x 32 mm

PHB-318
HUMIDITY / BAROMETER / TEM. METER

SPECIFICATION

- Barometer: 10 to 1100 hPa, mmHg, inHg.
- Humidity : 10% to 95 % RH, Dew.
- Temperature : 0 to 50°C, °C/°F.
- All in one, pen type, easy carry out.
- Hold, Record (max., min.).
- DC 1.5 battery (UM-4, AAA) x 4.

PHT-316
SD Card real time dada recorder HUMIDITY/TEMP. METER, + type K/J Temp

SPECIFICATION

- Humidity : %RH : 10 to 95 % RH.
- Temp. : 0 to 50.0 °C.
- Temp. Unit : °C/°F. Internal Adjustment.
- Humidity measurement with fast response
- All in one, Pen type, easy carryout.
- Hold functions to freeze display value.
- Built-in reverse display button
- DC 1.5V battery (UM-4, AAA) x 4

HT-3015
HUMIDITY METER, Dew Point, Temp. RS232 POCKT HUMIDITY METER

SPECIFICATION

- Measurements : **Humidity,** Temp.,Dew point.
- Resolution : 0.01 %RH, 0.01 degree.
- 1000 data logger, RS-232/USB interface.
- Fast response time., Seperate probe.
- LCD display, 006P DC 9V battery.
- Size : 180 x 72 x 32 mm.

FG-5005
FORCE GAUGE, 5,000 g.

SPECIFICATION

- 5,000 g, g/oz/Newton
- Tension or Compression, Peak hold, Zero.
- Positive / Reverse display.
- 4 digits LCD with back light.
- RS-232/USB computer interface.
- Full line accessories. optional test stand.
- DC 1.5V battery (UM-3, AA) x 6. or DC 9V adapter in.

FG-5020
FORCE GAUGE, 20 Kg.

SPECIFICATION

- 20 Kg, Kg/LB/Newton.
- Tension or Compression, Peak hold, Zero.
- Positive / Reverse display.
- 4 digits LCD with back light.
- RS-232/USB computer interface.
- Full line accessories. optional test stand.
- DC 1.5V battery (UM-3, AA) x 6. or DC 9V adapter in.

FG-5100
FORCE GAUGE, 100 Kg.

SPECIFICATION

- 100 Kg, Kg/LB/Newton.
- Tension or Compression, Peak hold, Zero.
- Positive / Reverse display.
- 4 digits LCD with back light.
- RS-232/USB computer interface.
- Seperate sensor, heavy duty.
- DC 1.5V battery (UM-3, AA) x 6. or DC 9V adapter in.

FG-5005A
FORCE GAUGE, 5,000 Kg.

SPECIFICATION

- 5,000 g, g/oz/Newton.
- Tension or Compression, Peak hold, Zero.
- Positive / Reverse display.
- 5 digits LCD
- RS-232/USB computer interface.
- Full line accessories. optional test stand.

FG-20KG
FORCE GAUGE, 20 Kg.

SPECIFICATION

- 20 Kg, Kg/LB/Newton.
- Tension or Compression, Peak hold, Zero.
- Positive / Reverse display.
- 5 digits LCD
- RS-232/USB
- Full line accessories. Optional test stand.

FS-1001
FOR FG-5005, FG-5020, FG-5000A, FG-20KG, TEST STAND

WG-01
WEDGE GRIP

*Optional accessory for FORCE GAUGE TEST STAND (FS-1001), it is use to hold the tested material.

FG-6020SD
SD Card real time recorder 20 ms sampling time recorder FORCE GAUGE-6020SD

SPECIFICATION

- 20 Kg, Kg/LB/Newton.
- Fast / Slow AD selection
- Tension or Compression, Peak hold, Zero.
- Positive / Reverse display.
- SD card data recorder : Normal mode, Peak hold mode.
- 4 digits LCD with back light.
- RS-232/USB computer interface.
- Full line accessories. optional test stand.
- DC 1.SV battery (UM-3, AA) x 6. or DC 9V adapter in.
- Patented

FG-6005SD
SD Card real time recorder 20 ms sampling time recorder FORCE GAUGE-5,000g

SPECIFICATION

- 5,000 g, g/LB/Newton.
- Fast / Slow AD selection
- Tension or Compression, Peak hold, Zero.
- Positive / Reverse display.
- SD card data recorder : Normal mode, Peak hold mode.
- 4 digits LCD with back light.
- RS-232/USB computer interface.
- Full line accessories are included
- Optional test stand.
- DC 1.5V battery (UM-3, AA) x 6. or DC 9V adapter in.
- Patented.

MHB-382SD
SD Card real time data logger, HUMIDITY /BAROMETER/TEMP. DATA RECORDER

SPECIFICATION

- Recorder with real time data logger, save the measuring data along the time information (Year, month, date, hour, minute, second) into the SD memory card and can be downloaded to the Excel, extra software is no need.
- Humidity : 10 to 90 % RH.
- Temperature : 0 to 50.0 C° , ° C /° F.
- Barometer : 10 to 1100 hPa, mmHg. inHg.
- Show barometer, humidity and temperature value in the same LCD
- Large LCD display. easy readout
- Low power consumption and long battery life When using battery power
- DC 1.5V (UM-4/AAA) battery x 6 PCs or DC 9V adapter in
- RS232/USB Computer interface.
- Size : 132 x 80 x 32 mm.

MCH-383SD
SD Carrf real time data recorder CO2/HUMIDITY/TEMP. DATA RECORDER

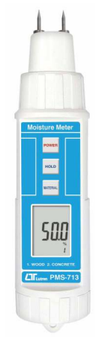
SPECIFICATION

- Recorder with real time data logger, save the measuring data along the time information (Year, month, date, hour, minute, second) into the SD memory card and can be downloaded to the Excel, extra software is no need.
- CO2 range : 0 to 4000 ppm, max. 6000 ppm typically.
- Humidity : °/oRH : 5 to 90 % RH.
- Temp. : 0 to 50.0 °C. C/°F.
- Show CO2, humidity and temperature values in the same LCD
- Large LCD display, easy readout.
- Power supply from DC 9V adapter in, power adapter is included. Also need DC 1.5V (UM-4/AAA) battery x 6 PCs for clock power supply
- Low power consumption and long battery life when using battery power
- RS232/USB computer interface.
- Size : 132 x 80 x 32 mm.

FG-6100SD
SO Card real time recorder 20 ms sampling time recorder FORCE GAUGE, 100 Kg.

SPECIFICATION

- 100 Kg, Kg/LB/Newton.
- Fast / Slow AD selection
- Tension or Compression, Peak hold, Zero.
- Positive / Reverse display.
- SD card data recorder : Normal mode, Peak hold mode.
- 4 digits LCD with back light.
- RS-232/USB computer interface.
- Separate 100 Kg load sensor.
- Optional test stand.
- DC 1.5V battery (UM-3, AA) x 6. or DC 9V adapter in. Patented



PMS-713
MOISTURE METER

SPECIFICATION

- Wood and concrete moisture measurement.
- Wood : 6% to 40% moisture content.
- Concrete : 0% to 100% moisture content.
- Meter is in built-in test probe, all in 1, easy operation
- Hold function to freeze display value.
- IP-65, Water resistance, heavy duty.
- DC 1.5V battery (UM-4, AAA), x 4.

PMS-714
SOIL MOISTURE METER

SPECIFICATION

- Soil moisture content measurement.
- Range : 0 to 50% moisture content.
- Heavy duty probe, Probe length : 20 cm.
- Meter is in built-in test probe, all in 1, easy operat Hold, Record (max., min.,).
- IP-65, Water resistance, heavy duty.
- DC 1.SV battery (UM-4, AAA), x 4.

MS-7000
MOISTURE METER

SPECIFICATION

- Range : 9% to 30% moisture content.
- 9 material species groups in memory.
- Max., Min., Data hold, Self-calibration.
- Size : 180 x 72 x 32 mm. RS232/USB

MS-7002
MOISTURE METER

SPECIFICATION

- 3 functions : Concrete, Wood, Gypsum
- Wood : 6% to 40% moisture content.
- Concrete : 0% to 100% moisture content.
- Gypsum : 0.2% to 50% moisture content.
- Max., Min., Data hold, Self-calibration.
- Size : 180 x 72 x 32 mm. RS232/USB

EMF-823
EMF TESTER

SPECIFICATION

- Electromagnetic field tester.
- Ranges : 20/200/2,000 micro Tesla 200/2000/20,000 milli-Gauses.
- Size 163 x 70 x 30 mm, 13mm LCD

EMF-827
EMF TESTER, SEPERATE PROBE

SPECIFICATION

- Electromagnetic field tester.
- Ranges : 20/200/2,000 micro Tesla 200/2000/20,000 milli-Gauses.
- Separate probe.
- Size : 163 x 70 x 30 mm

EMF-828
3 axis EMF TESTER, SEPERATE PROBE

SPECIFICATION

- Three axis (X, Y,Z direction) electromagnetic field measurement
- Ranges : 20/200/2,000 micro Tesla 200/2000/20,000 milli-Gauses.
- Band width : 30Hz it 300 Hz
- LCD display, jumbo digit size
- Heavy duty seperate probe
- Data hold, DC 9V battery
- Hard carrying case is included
- Size : 200 x 68 x 30mm, 13mm

EMF-822A
EMF TESTER, SEPERATE PROBE

SPECIFICATION

- Electromagnetic field tester.
- 20 micro Tesla x 0.01 micro Tesla
- 200 milli Gauss x 0.1 milli Gauses
- Display : 13mm LCD. Pocket size
- Size : 131 x 70 x 25 mm

EMF-819
0 MHZ TO 3 GHZ, GENERAL PURPOSE, ONE PROBE 3 AXIS RF ELECTROMAGNETIC FIELD METER

SPECIFICATION

- 3 Axis RF EMF tester, general purpose application.
- Frequency range up to 3 GHz, for monitoring the wide range radio frequency EMF value or detect the micro wave leakage.
- Measuring ranges : 0 to 199.99 V/m. 0 to 9.999 W/m*, 0 to 9.9999 mW/cm*
- Data hold, Peak hold, Record (Max., Min. value).
- Frequency Probe, EP-05H is included.
- Hard carrying case is included.
- RS232/USB computer interface.
- Large size LCD, Microcomputer circuit.
- Powered by DC 9V battery or DC 9V adapter.

Professional Testing Instruments

Lutron
MADE IN TAIWAN

GCH-2018
CO2 METER, + HUMIDITY, TEMPERATURE

SPECIFICATION

- CO^2 Range : 0 to 4,000 ppm.
- CO^2 sensor : NDIR, long term reliability
- CO^2 with alarm setting
- Functions : CO^2 (Carbon Dioxide) Humidity, Dew point, Temperature
- Data hold, Record (Max., Min.)
- RS232/USB computer interface

GC-2028
CO2 METER, TEMPERATURE

SPECIFICATION

- CO^2 Range : 0 to 4,000 ppm.
- CO^2 sensor : NDIR, long term reliability
- CO^2 with alarm setting
- Functions : CO^2 (Carbon Dioxide) Humidity, Dew point, Temperature
- Data hold, Record (Max., Min.)
- RS232/USB computer interface

GCO-2008
CO2 METER, + HUMIDITY, TEMPERATURE

SPECIFICATION

- Functions : CO^2 (Carbon Monoide)
- CO^2 Range : 0 to 1,000 ppm.
- Humidity, Dew point
- Temperature : 0 to 5°C, °C/°F
- Data hold, Record (Max., Min.)
- RS232/USB computer interface

CO2-9904SD
SD Card real time data recorder, 6000ppm, CO2 METER + Humidity / Temperature

SPECIFICATION

- Real time data logger, save the data into the SD memory card and can be downloaded to the Excel, extra software is no need.
- Measurement : CO2, (Carbon dioxide), Humidity, Dew point, temperature.
- CO2 range : 0 to 6,000 ppm x 1 ppm.
- Humidity range : 0 to 95% RH.
- Dew point : -25.3 to 48.9 °C, °C/0 F.
- Temp. range : 0 to 50 °C, °C/0 F.
- CO2 sensor : NDIR, long term reliability.
- Humidity sensor : Precision capacitance sensor.
- Alarm setting with the beeper sound output.
- Sampling time for data recorder is 2 seconds to 8 hours.
- 2 probes : CO2 and Humidity probe.
- Hard carrying case is included.
- Can use 1 GB to 16 GB SD card (optional).
- RS232/USB computer interface.
- Optional data Acquisition Softwares : SW-U801-WIN, SW-E802.
- Optional USB cable, USB-01.

COH-9902SD
SD Card real time data recorder, CO2 METER + Humidity / Temperature

SPECIFICATION

- Real time data logger, save the data into the Sd memory card and can be downloaded to the Excel
- CO range : 0 to 1,000 ppm x 1 ppm.
- Humidity range : 0 to 95% RH.
- Dew point : -25.3 to 48.9 °C, °C/°F.
- Temp. range : 0 to 50 °C, °C/0 F.
- CO2 sensor : NDIR, long term reliability.
- Alarm setting with the beeper sound output.
- Recorder Sampling time : 2 seconds to 8 hours.
- 2 probes : CO and Humidity probe.
- Hard carrying case is included.
- RS232/USB computer interface.

PCO-350
CO METER, PEN TYPE

SPECIFICATION

- CO (Carbon monoxide). temperature.
- CO range : 0 to 1,000 ppm.
- Temperature : 0 to 50 °C, °C/0 F.
- CO response time : 30 seconds.
- Data hold.
- DC 1.5V battery (UM-4/AAA) x 4.
- Pen type, easy carry out

PH-220
PEN PH METER

SPECIFICATION

- Seperate pH electrode, easy for general purpose
- and remote measurements.
- 0 to 14.00 pH.
- Auto calibration for pH 4.0, pH 7.0, pH 10.0.
- Temp. adjustment is not necessary.
- IP-65 water proof.
- Pen type, easy carry out.
- Complete set with separate pH electrode
  (PE-11), and pH 4, pH 7 standard solutions.
- Built-in reverse display button.
- DC 1.5V battery (UM-4, AA) x 4, long life.

PO2-250
O_2 METER, PEN TYPE

SPECIFICATION

- 02 (Oxygen in air), Temperature.
- C2 range: Oto 30.0 % x 0.1 %.
- Temperature : 0 to 50 °C, °C/0 F.
- Measurement response time : 30 seconds.
- DC 1.5V battery (UM-4/AAA) x 4.
- Pen type, easy operation and carryout

PH-208
PEN PH METER

SPECIFICATION

- pH: 0 to 14.00 pH,± 1999 mV.
- mV functions for ORP electrode.
- Manual temperature compensation.
- ATC via optional Temp. probe (TP-07).
- Easy pH calibration procedures.
- RS232/USB, Hold, Record. (Min., Max.,), °C/°F

PH-206
PH-mV-TEMP, METER

SPECIFICATION

- pH : 0 to 14.00 pH, mV : -1999 to 1999 mV.
- Temp. : 0 to 100 °C.
- Manual/Auto Temp. Compensation.
- Size : 160 x 80 x 35 mm

PH-207
PH METER, RS-232

SPECIFICATION

- pH : 0 to 14.00 pH x 0.01 pH.
- p-P circuit, LCD with annunciator.
- Max., Min., Memory recall button
- pH, mV, Temp., manual Temp. Adj. and ATC,
  RS232/USB/USB interface.
- Size : 180 x 72 x 32 mm, RS232/USB.

YK-21PH
PH METER

SPECIFICATION

- pH : 0 to 14.00 pH
- Large LCD display, 21.5 mm digit height.
- Accuracy : + 0.1 pH (pH 4 to pH 10).
- Data hold, professional case.

GS-5800
ULTRASONIC LEAKAGE DETECTOR

SPECIFICATION

- Applications :
  Air leaks around floor & window gaskets & seals,
  Conduit & pipe identifications, windshield leaks.
- Bar LED to show the leakage level.
- Size : 255 x 70 x 28 mm

GS-400
ULTRASONIC TRANSMITTER

SPECIFICATION

- Frequency output : 40 KHz.
- Crystal time base, 9V battery power.
- Size : 146 x 50 x 26 mm
- Work with the GS-5800.

Professional Testing Instruments

Lutron
MADE IN TAIWAN

LM-8102
5 in 1 METER

SPECIFICATION

- Sound level meter : 30 to 130 dB, auto range
- Humidity : 10 to 95 % RH, Temp.. (° CI°F).
- Anemometer : 0.4 to 30 mls, Temp.. (o C/°F).
- Light : 0 to 20,000 Lux, 0 to 1,860 Ft-cd, auto range
- Type K Thermometer : -100 to 1300 o C, o C/oF.
- Sound level meters meets IEC 61672 TYPE 2.
- Data hold, Record (Max., Min.,), RS232/USB
- 5 Functions, all in one.

LM-8100
5 in 1 METER

SPECIFICATION

- Humidity : 10 to 95 % RH, Temp.. (° C/oF).
- Anemometer : 0.4 to 30 mls, Temp.. (° C/°F).
- Light : 0 to 20,000 Lux, 0 to 1,860 Ft-cd, auto range.
- Type K Thermometer : -100 to 1300 o C, o C/°F.
- Data hold, Record (Max., Min.,), RS232/USB

YK-43CD
CONDUCTIVITY METER

SPECIFICATION

- 2 Ranges : 2 mS, 20mS.
- Large LCD display, 21.5 mm digit height.
- Automatic temperature compensation.
- Data hold, professional housing case.

VC-9200
VACUUM METER

SPECIFICATION

- 1125 torr x 1torr, 1500 mbarx 1mbar.
- Units : torr, mm Hg, micron, Kpa, Pa, inch Hg. psi.
- RS232/USB, Hold, Record (Max., Min.,).
- Heavy duty vacuum senor is used for air, oil gas.
- Applications : Automobile, Industrial, Laboratory,
  heating, ventilation, medical hospital.....

SP-82AL
3 in 1 Barometer, Anemometer ALTITUDE METER

SPECIFICATION

- *Multi-functions, mini pocket size, 3 in 1:
  1.Altitutde meter 2. Barometer 3. Anemometer
- Precision baro sensor for the atmosphere value
  and altitude measurement.
- Air velocity : 0.4 to 20.0 mls.
- Air velocity unit : mls, ft/min, kmh, mph, knot
- Barometer unit : hPa, mmHg, inHg.
- Size : 120 mm x 45 mm x 20 mm.
- Battery and carrying case included.

SP-9202
11 in 1 Anemometer, Humidity/ Temp., Barometer, Altitude, UV ENVIRONMENT METER + UV light

SPECIFICATION

- Multi-functions, mini pocket size, 11 in 1:
  1.Air velocity/Temp., 2. Humidity/Temp.,
  3.UV Light. 4. Barometer, S. Air flow
  6. Dew point, 7. Wet bulb, 8. Wind chill,
  9. Heat index, 10. Altitude,
  11. Pt 1000ohm Temp. (optional probe TP-1000)
- Humidity /Temp. : 10 to 95 %RH, °C/°F
- Air velocity : 0.4 to 20.0 mls
- Air flow : CMM, CFM
- UV Light : 0 to 20.00 mW/cm* 2 ranges
- Barometer : 10.0 to 1100 hPa.
- Altitude : -2000 to 9000 m
- LCD with backlight.
- Size : 120 mm x 45 mm x 20 mm.
- Battery and carrying case are included

RT-616
LCD DISPLAY 3 PHASE ROTATION TESTER

SPECIFICATION

- Large LCD display with backlight, easy to read under the strong light or the dark environment.
- Electronic (not mechanical) rotation test, high reliability.
- 3 Phase rotation detector.
- input : 100 - 600 V AC, 45 to 75 Hz
- Custom one-chip of microprocessor circuit.
- 3 Heavy duty alligator chips are included.
- Power supply : DC 9V 006P battery

CD-4301
CONDUCTIVITY METER

SPECIFICATION

- 4 ranges : 200 p S,2 mS, 20 mS, 200 mS,
- Automatic temperature compensation

MO-2014
10 Ampere max. test current Micro-Ohm METER

SPECIFICATION

- Measurement ranges : 60000 p ohm, 600 m ohm, 6 ohm, 60 ohm, 600 ohm, 6 K ohm
- Test Current : 10 A, 1 A, 100 mA, 10 mA, 1mA, 100 uA,
- 4 Wires with 2 Kelvin clips is included.
- Hi/Lo limit setting.
- Hold function.
- Backlight function easy readout.
- Built in over input and low battery indications.
- RS232 / USB computer interface.
- Power supply :
  1. 600 m ohm, 6 ohm, 60 ohm, 600 ohm, 6 K ohm ranges : DC 1.5V (UM-3/AA), battery x 8 pcs.
  2. 60000 p ohm range : DCB power supply via external AC/DC adapter, 90-260ACV/DC adapter is the standard accessory.
- Ideal for measuring the resistance of components precisely
- Ideal for testing protective conductors, lighting conductors and welded points.
- Good / Fail set function for input quality control.
- Optional USB cable, USB-01.
- Optional data acquisition software, Sw-U801-WIN.
- Optional Excel data acquisition software, SW-E802

PH-230SD
SD Card real time data recorder +ORP (mV), ATC

SPECIFICATION

- Real time data logger, save the data into the SD memory card and can be downloaded to the Excel, extra software no need.
- pH : 0 to 14.00 pH.
- mV (ORP) : -1999 mV to 1999 mV.
- Manual Temperature compensation) via
- optional Temp.
- ATC (automatic temperature compensation)
- via optional Temp. probe (TP-07).
- Auto calibration for pH 7.0, pH 4.0, pH 10.0 and other value.
- Data hold, Record (Max., Min.).
- RS232/USB computer interface.
- Optional pH electrodes : PE-03, PE-11, PE-01, PE-02, PE-08, PE-06HD
- Wide applications : Water conditioning, aquariums, beverage, fish hatcheries, food processing, photography, laboratory, paper industry, plating industry, quality control, school & college, water conditioning.
- Patented.

MO-2002 (AC-110V)
MO-2002 (AC 220V/AC 230V)
MILLIOHM METER

SPECIFICATION

- 20 m ohm / 200 m ohm / 2 ohm / 20 ohm / 200 ohm/ 2 K ohm / 20 K ohm.
- Hi /Lo warning setup.
- Large red LED display, 20.4 mm digit height.
- 4 terminal inputs, high accuracy.
- 4 wires with 2 Kelvin clips. KV-05 is included.
- Bench type, professional.
- Power : AC 110 V or AC 220 V / AC230 V.

MO-2013
HIGH PRECISION MILLIOHM METER

SPECIFICATION

- Professional bench type milliohm meter.
- 20 m / 200 m / 2 / 20 / 200 / 2 K / 20 K ohm.
- 20,000 counts, jumbo LCD with back light
- Hi / Lo warning, 4 wires terminal, Kelvin chips is included, 0.001 milliohm resolution.
- Judgement output : Low / Good / High port
- used for the automatic machine to select the components (good or no good).
- Power : AC 110 V or AC 220 V / AC 230 V.

Professional Testing Instruments

Lutron
MADE IN TAIWAN

CC-421
VOLTAGE / CURRENT CALIBRATOR

SPECIFICATION

- Current source : 0 to 24 mA, 2 ranges.
- Current Measurement : 0 to 24 mA, 2 ranges
- Power (12V) and current measurement of two wire loop 0 to 24 mA, 2 ranges.
- DC mV source : -199.9mV to +199.9mV.
- Size : 185 x 75 x 38 mm

PH-201
PH METER, POCKET

SPECIFICATION

- 0 to 14 pH x 0.01 pH.
- Economical type.
- Pocket type.
- Accurac :t 0.1 pH (pH 4 - pH 10),
- Display : LCD, 13mm digit size.
- Size : 131 x 70 x 25 mm.

O2H-9903SD
SD Card real time data recorder O2 + Humidity / Temp.

SPECIFICATION

- Real time data logger, save the data into the SD memory card and can be downloaded to the Excel
- O2 range : 0 to 30.0% x 0.1 ^/
- Humidity range : 0 to 95% RH.
- Dew point : -25.3 to 48.9 oC, oC/oF.
- Temp. range : 0 to 50 °C, °C/°F.
- Alarm setting with the beeper sound output.
- Recorder Sampling time : 2 seconds to 8 hours.
- 2 probes : O2 and Humidity probe.
- Hard carrying case is included.
- RS232/USB computer interface

PH-220S
PEN PH METER

SPECIFICATION

- Complete set with separate soil, spear tip pH electrode and pH 4 and pH 7 standard solutions.
- Meter : 0 to 14.00 pH., Electrode : 1 to 13 pH
- Auto calibration for pH 4.0, pH 7.0, pH 10.0.
- Temp. adjustment is not necessary.
- IP-65, water proof.
- Built-in reverse display button.
- Pen type, easy carry out.
- DC 1.5V battery (UM-4, AA) x 4, long life.
- Spear tip pH electrode, ideal for penetration pH measurement into soil, meats, cheese and other type of measurements requiring sample penetration.

PH-222
PEN PH METER

SPECIFICATION

- 0 to 14.00 pH.
- ATC (automatic temperature compensation)
- Auto calibration for pH 4.0, pH 7.0, pH 10.0.
- Meter with pH electrode. all in one.
- IP-67, water proof.
- Pen type, easy carry out.
- Data logger.
- pH 4, pH 7 standard solutions are included.
- DC 1.SV battery (UM-4, AA) x 4, long life

TC-920
THERMOMETER CALIBRATOR

SPECIFICATION

- Type k thermocouple calibrator.
- Type k thermocouple thermometer
- -199 °C to 1230 °C, -325 °F to 2246 °F
- Resolution : 0.1 °C (<1000 °C
- °C / °F, Data hold.
- Size : 185 78 x 38 mm.

PSA-311
SALT METER

SPECIFICATION

- Measurement : 0 to 12.0 % salt (% weight value).
- Automatic temperature compensation. Meter is built in test probe, all in1, easy operation
- Hold, Record (max., min.,).
- IP-65 Water resistance, heavy duty.
- DC 1.5 V battery (UM-4, AAA) x 4.

PWA-301
PURE WATER METER

SPECIFICATION

- Water conditioning, aquarium, food processing, photography, school, laboratory, industrial and quality control.
- Check the condition of water filter.
- Measurement : 0 to 1999 µS.
- Meter wit the probe, all in1, easy operation
- Hold, Record (max., min.,).
- IP-67 Water resistance, heavy duty.
- DC 1.5 V battery (UM-4, AAA) x 4.

CL-2006
FREE AND TOTAL CHLORINE METER

SPECIFICATION

- Free Chlorine, Total Chlorine measurement.
- Range : 0 to 3.5 mg/L (PPM)
- Measuring principal : Photo meter method.
- Light source : LED, 525 nm.
- Record Max., Min., value.
- 10 Pcs Free and total 1.0 mg/L Standard solution are the standard accessories.
- Power : 1.5 V battery (UM-4, AAA) x 6 Pcs.
- The measuring method is an adaptation fo the USEPA Method 330.5 and Standard method 4500-CI G.

TU-2016
TURBIDITY METER

SPECIFICATION

- Range : Auto range, two ranges, 0.00 to 50.00 NTU, 50to 1,000 NTU.
- Resolution : 0.01 NTU/ 1 NTU. " Light source : LED, 850 mm.
- Record Max., Min. Value.
- Power : 1.5 V battery (UM-4, AAA) x 6 Pcs.
- 0 NTU and 100 NTU Calibration solution are included.
- Designed to meet ISO 7027.

AQ-9901SD
SD Card real time recorder CO2, CO, O2 Humidity, Dew point, Temp., 6 in 1 AIR QUALITY METER

SPECIFICATION

- Real time recorder, save the data into the SD memory card and can be downloaded tothe excel, extra software is no need.
  Air quality measurement application, multi-function : CO2, (Carbon dioxide), CO (Carbon monoxide), O2 (Oxygen in air), Humidity, temperature measurement.
- CO2 range : 0 to 4,000 ppm x 1ppm, max.6000 ppm typically.
- O2 range : 0 to 30.0 % x 0.1 %
- CO range : 0 to 1,000 ppm x 1 ppm.
- Humidity range : 5 to 95 % RH.
- Dew point : -25.3 to 48.9 °C, °C/°F
- Humidity sensor : Precision capacitance sensor.
- Alarm setting with the beeper sound output.
- Sampling time for data recorder is 2 seconds to 8 hours.
- Completer set with 4 probes : CO2 / Temp. probe, O2/Temp.,probe, CO/Temp. probe, Humidity/Temp. probe. main meter and the hard carrying case.
- Meter can cooperate with 2 GB to 16 GB SD card, SD card is optional.
- RS232/USB computer interface.* patented.

SPM-1116SD
SD Card real time recorder SOLAR POWER METER

SPECIFICATION

- Real time recorder, save the data into the SD memory card and can be downloaded to the Excel, Extra software is no need
- Wide spectral range, long term stability, cosine correction.
- Range : 2000 W/m*, 634 Btu/ (ft* x h).
- Spectral response : 400 to 1100 nm.
- 3 functions : Solar power, Power integration, Transmission.
- Cosine corrected.
- Both meter and sensor probe are built in the tripod fix nut, easy installation.
- Separate probe, easy for operation of different measurement environment.
- Data hold, Record (Max., Min.,)
- SD card capacity : 1 GB to 16 GB. SD card is optional.
- RS232/USB PC Computer interface.
- Application : Solar radiation measurement, solar power research, physics and optical laboratories solar transmission measurement.
- Patented.

WBGT-2010SD
HEAT INDEX WBGT METER

SPECIFICATION

- Measurement WBGT value (Indoor / Outdoor Wet bulb globe temperature), Black globe temperature,Humidity, Air temperature Wet bulb temperatureDew point Temp..
- Measurement function :
  1.Wet bulb globe temperature (WBGT) : Indoor : 0 °C to 59 °C, Outdoor : 0 °C to 56 °C
  2.Black globe Temp (TG) : 0 to 80 °C3. Air Temperature (TA) : 0 to 50 °C
  4. Wet bulb temp. (WB) : -21.6 °C to 50.0 °C 5. Humidity : 5% to 95% R.H..
  6. Dew point Temp. : -25.3 °C to 48.9 °C. Unit : °C/°F, Resolution : 0.1 degree.
- Adjustable WBGT alarm setting value with buzzer sound output.
- Control and monitor of physical activity in hot environment to limit the danger of heat related injuries.
- Globe Temp. measurement uses the Pt sensor, high accuracy.
- Fast humidity measuring response time.
- Direct measurement of the radiation effect with a brass black ball in 75 mm dia. Real time SD memory card recorder. it is built in Clock and Calendar.
- Real time data recorder, sampling time set from 1 second to 3600 sec.
- Manual data record is available, can set the different position (Location) No. (1 to 99).
- Innovation and easy operation, computer is not need to setup extra software. After record the dat, just take away the SD card from the meter and plug into the computer the measured values with the time information (Year/month/date/hour/minute/second) can be downloaded to the Excel directly then user can make the further data or graphic analysis by themselves.
- SD card capacity : 1 GB to 16 GB. * Data hold, record max., and Min. reading.
- Power : UM3/AA (1.5 V) x 6 batteries or DC 9 V adapter. RS232/USB PC Computer interface.
- Complete set with the carrying case, SD card is optional.

Lutron
MADE IN TAIWAN

MG-3002
wide range, general purpose AC/DC MAGNETIC METER

SPECIFICATION

- Wide range, general purpose magnetic measurement.
- Units : G (Gauss), mT (milli Tesla)
- Wide measure range : + 3,000 milligauss.
- DC/AC magnetic measurements
- DC Range : 300.00 mT / 3000.0 mT
- AC Range : 150.00 mT / 1500.0 mT
- Resolutions : 0.01 mT / 0.1 mT, 0.1 G / 1 G Sensor : Hall sensor. Data hold, Record (Max., Min.,). RS 232/USB computer interface. DC 1.5V battery (UM-3, AA) x 6. or DC 9V adapter in.
- Optional USB cable, USB-01
- Optional acquisition software, SW-U801-WIN, SW-E802.

SC-941
SOUND CALIBRATOR, 94dB

SPECIFICATION

- Professional, 1 Khz
- Die casting alluminium alloy housing case
- DC 9v batteries x 2 Pcs.
- Size : Round 50mm Dia. x 82mm

SD card data recorder Patented SERIES

3 phase power analyzer with harmonic measurement SD card data recorder SERIES

4 channels Vibration Meter Patented SERIES

Flexible current probe for power analyzer SERIES

NOTES