

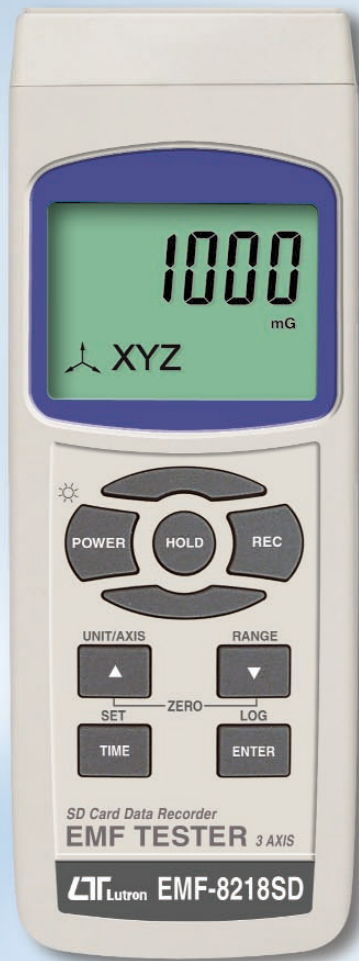


THE ART OF MEASUREMENT THE ART OF MEASUREMENT THE ART OF MEASUREMENT



# FULL LINE

**3 axis EMF tester** SERIES  
**4 rings conductivity meter**  
**SD card data recorder**



**SD Card real time data recorder**  
**3 axis EMF TESTER**

**Model : EMF-8218SD**

- \* Each axis ( X, Y, Z direction ) electromagnetic field measurement.
- \* Sum of XYZ electromagnetic field measurement.
- \* Real time data logger, save the data into the SD memory card and can be downloaded to the Excel, extra software is no need.
- \* Ranges : 20/200/2,000 micro Tesla.  
200/2,000/20,000 milli-Gause.
- \* Bandwidth : 30 Hz to 300 Hz.
- \* Heavy duty separate probe.
- \* Data hold, Record ( Max., Min. ).
- \* LCD Display with backlight, easy reading.
- \* RS232/USB computer interface.
- \* Hard carrying case is included.

**SD Card real time data recorder**  
**4 rings probe . + TDS. Salt**  
**CONDUCTIVITY METER**

**Model : CD-4316SD**

- \* 4 rings conductivity probe, high performance.
- \* Real time data logger, save the data into the SD memory card and can be downloaded to the Excel, extra software is no need.
- \* Conductivity, TDS, Salt measurement.
- \* Conductivity : 200 uS/2 mS/20 mS/ 200 mS.
- \* Salt : 0 to 12 % salt ( % weight ).
- \* Automatic temp. compensation.
- \* It can select the Temp. Coefficient of measurement solution.
- \* Data hold, Record ( Max., Min. ), zero adjust.
- \* RS232/USB computer interface.
- \* Hard carrying case is included.
- \* LCD Display with backlight, easy reading.

**%RH/O<sub>2</sub>/CO<sub>2</sub>, one probe**  
**Integrating sound level**  
**SD card data recorder**



**SD Card real time data recorder**  
**INTEGRATING SOUND LEVEL METER class 1**  
**Model : SL-4036SD**

- \* Real time recorder, save the data into the SD memory card and can be downloaded to the Excel, extra software is no need.
- \* Frequency and Time weighting are designed to meet IEC 61672 class 1, IEC 60804 type 1, ANSI S 1.43 type 1.
- \* Measuring modes : SPL, Leq.
- \* Auto range : 30 - 130 dB.
- \* Two Manual range : 30 - 80 dB, 80 - 130 dB.
- \* A / C frequency weighting.
- \* Fast / Slow Time weighting.
- \* Dot matrix LCD with backlight.
- \* RS232/USB PC COMPUTER interface.
- \* Optional windshield ball, SB-01.
- \* Power by UM3/AA ( 1.5 V ) x 6 batteries or DC 9V adapter.
- \* SD card capacity : 1 GB to 16 GB.
- \* Optional acquisition softwares, SW-U801-WIN, SW-E802, SW-E816.
- \* Microcomputer circuit, high accuracy.
- \* Patented.

**SD Card real time data recorder**  
**CO<sub>2</sub>, O<sub>2</sub>, Humidity, Temp., one probe**  
**AIR QUALITY METER**  
**Model : AQ-9918SD**

- \* Real time recorder, save the data into the SD memory card and can be downloaded to the Excel, extra software is no need.
- \* Air quality measurement, multi-function and only use one probe to cover the whole measurement : CO<sub>2</sub> ( Carbon dioxide ), O<sub>2</sub> ( Oxygen ), Humidity, Temp..
- \* Can show and record multi-probe's input measuring data on the same LCD display at same time.
- \* CO<sub>2</sub> range : 0 to 10,000 ppm x 1 ppm.
- \* O<sub>2</sub> range : 0 to 30.0 % x 0.1 %.
- \* Humidity range : 5 to 95 %RH.
- \* Dew point range : -25.3 to 48.9 °C, °C/°F.
- \* Temperature range : 0 to 50 °C, °C/°F.
- \* CO<sub>2</sub> sensor : NDIR long term reliability.
- \* O<sub>2</sub> sensor : Galvanic cell type .
- \* Humidity sensor : Precision capacitance sensor.
- \* Sampling time for data recorder is 0 to 3600 seconds.
- \* Complete set with one multi-function probe.
- \* SD card capacity : 1 GB to 16 GB.
- \* TFT color LCD, easy reading.
- \* Optional acquisition softwares, SW-U801-WIN, SW-E802, SW-E816.
- \* Power by UM3/AA ( 1.5 V ) x 6 batteries or DC 9V adapter.



# Environment SERIES Multi-functions, color display SD card data recorder



Anemometer Probe



Humidity probe



Light probe



Type K Temp. probe ( included ): TP-01.

Optional type K Temp. probe : TP-02A, TP-03, TP-04, TP-05.



### SD Card real time data recorder

**%RH, Light, Anemometer Temp., all in one ENVIRONMENT METER**

**Model : EMC-9400SD**

- \* Real time recorder, save the data into the SD memory card and can be downloaded to the Excel, extra software is no need.
- \* One meter for multi-purpose operation : Humidity meter, Light meter, Anemometer, Type K/J thermometer.
- \* Can show and record multi-probe's input measuring data on the same LCD display at same time.
- \* Humidity : 0 to 95 %RH, 0 to 50 °C.
- \* Light meter : 0 to 20,000 Lux.
- \* Anemometer : 0.4 to 25 m/s.
- \* Type K thermometer : -100 to 1300 °C.
- \* Type J thermometer : -100 to 1200 °C.
- \* Temp. display unit default to °C or °F.
- \* Data hold, record max. and min. reading.
- \* RS232/USB PC computer interface.

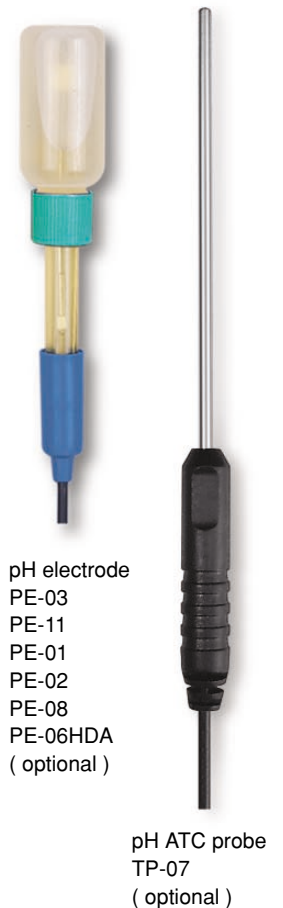
- \* Complete set with each Anemometer probe, Light probe, Humidity probe, Type K Temp. probe TP-01.
- \* Optional Type K Temp. probe : TP-02A, TP-03, TP-04, TP-05.
- \* 2.4" TFT LCD Display easy reading.
- \* Meter can default auto power off or manual power off.
- \* Separate probe, easy operation and convenient for remote measurement.
- \* Can default auto power off or manual power off.
- \* SD card capacity : 1 GB to 16 GB.
- \* Optional acquisition softwares, SW-U801-WIN, SW-E802, SW-E816.
- \* Microcomputer circuit, high accuracy.
- \* Power by UM3/AA ( 1.5 V ) x 6 batteries or DC 9V adapter.
- \* Available for the HVAC Applications and Environment measurement.

**Water quality** SERIES  
**Multi-functions, color display**  
**SD card data recorder**



**SD Card real time data recorder**  
**pH/ORP, DO, CD, TDS, Salt, all in one**  
**Model : WAC-2019SD**

- \* Real time recorder, save the data into the SD memory card and can be downloaded to the Excel, extra software is no need.
- \* One meter for multi purpose operation : pH/ORP, CD/TDS, Dissolved Oxygen, Salt measurement.
- \* Can show and record multi-probe's input measuring data on the same LCD display at same time.
- \* pH : 0 to 14.00 pH.
- \* ORP : -1999 mV to 1999 mV.
- \* Conductivity : 200 uS/2 mS/20 mS/200 mS.
- \* TDS : 200/2000 /20000 /200000 PPM.
- \* Salt : 0 to 12 % salt ( % weight ).
- \* Hardness : 0 to 100,000 ppm.
- \* Resistivity :  
5 ohm-cm to 99.99 Megohm-cm.
- \* Dissolved oxygen : 0 to 20.0 mg/L.
- \* ATC ( automatic temperature compensation ).
- \* Data hold, record max. and min. reading.
- \* RS232/USB PC COMPUTER interface.
- \* CD/TDS/Salt probe , CDPB-04 is included.
- \* Optional Accessories :  
pH electrode, ORP electrode, Dissolved oxygen probe, pH ATC probe (TP-07).
- \* 2.4" TFT LCD with backlight to easy reading.
- \* SD card capacity : 1 GB to 16 GB.
- \* Optional acquisition softwares, SW-U801-WIN, SW-E802, SW-E816.
- \* Power by UM3/AA ( 1.5 V ) x 6 batteries or DC 9V adapter.



## Vibration, wide band SERIES Multi-Field EMF Meter



### RF and LF measurement RF Strength/ Magnetic Fields/Electric Fields Meter Multi-Field EMF Meter

**Model : EMF-840**

\* RF application :

For electromagnetic field strength measurement including mobile phone base station antenna radiation, RF power measurement for transmitters, wireless LAN ( Wi-Fi ) detection/ installation, wireless communication applications ( CW, TDMA, GSM, DECT ) and microwave leakage.

\* RF power measurement Range/Resolution :

Frequency range : 50 MHz to 3.5 GHz.  
30.00 mV/m to 11.00 V/m, 0.01, 0.1, 1 mV/m.  
0.02 uW/cm<sup>2</sup> to 32.09 uW/cm<sup>2</sup>, 0.01 uW/cm<sup>2</sup>.  
0.02 uW/m<sup>2</sup> to 320.9 mW/m<sup>2</sup>, 0.01, 0.1, 1 mW/m<sup>2</sup>.  
0.02 mA/m to 29.17 mA/m, 0.01 mA/m.

\* LF application :

The EMF tester ( LF ) is designed to provide the user a quick reliable and easy way to measure electromagnetic field radiation levels around power line, home appliances and industrial devices.

\* Magnetic Fields Measurement range/Resolution:

Frequency range : 50 Hz to 60 Hz.  
mG : 200.0 to 2000, 0.1 mG, 1 mG.  
uT: 20.00 to 200.0, 0.01 uT, 0.1 uT.

\* Electric Fields Measurement range/Resolution :

Frequency range : 50 Hz to 60 Hz.  
50 V/m to 2000 V/m, 1 V/m.

\* 2.4" TFT LCD display to easy reading.

\* Lightweight and small size case design are suitable for handling with one hand.

\* Wristlet design provides extra protection to the instrument especially for user one hand operation.

\* Built-in microprocessor circuit assures excellent performance and accuracy.

\* Concise and compact buttons arrangement, easy operation.

\* Memorize the maximum and minimum value with recall.

\* Hold function to freeze the current reading value.

\* Power Supply DC 1.5V, UM4-AAA battery x 3 PCs.



### SD Card real time data recorder wide frequency response up to 5 KHz Acceleration, Velocity, Displacement. VIBRATION METER

**Model : VB-8209SD**

\* Applications for industrial vibration monitoring :

All industrial machinery vibrates. The level of vibration is a useful guide to machine condition. Poor balance, misalignment & looseness of the structure will cause the vibration level increase, it is a sure sign that the maintenance is needed.

\* Real time recorder, save the data into the SD memory card and can be downloaded to the Excel, extra software is no need.

\* Acceleration : 200 m/s<sup>2</sup>

Velocity : 200 mm/s

Displacement : 2.000 mm

\* Hi, Lo frequency range selection.

\* Lo frequency range : 10 Hz to 1 KHz,  
sensitivity relative meet ISO 2954.

\* Hi frequency range : 10 Hz to 5 KHz, for other application examples ISO 2372.

\* Metric & Imperial display unit.

\* Max. Hold, peak value, data hold.

\* Memory ( Max., Min. ).

\* Zero button.

\* RS232/USB PC COMPUTER interface.

\* Vibration sensor and magnetic base are the standard accessories.

\* SD card capacity : 1 GB to 16 GB.

\* Optional acquisition softwares,  
SW-U801-WIN, SW-E802, SW-E816.

\* Power by UM3/AA ( 1.5 V ) x 6 batteries  
or DC 9V adapter.



# Color display 3 phase power analyzer with harmonic measurement

SERIES



Clamp Probe, A1, A2, A3  
CP-1201



## SD Card real time data recorder 3 PHASE POWER ANALYZER, with harmonic measurement

### Model : DW-6195

- \* Color LCD display.
- \* Analysis for 3 phase multi-power system, 1P/2W, 1P/3W, 3P/3W, 3P/4W.
- \* 3 current probes ( CP-1201 ) are included, if change the current probes, the calibration procedures are not necessary.
- \* Current probe input signal/ranges with selection :  
*Input signal ( ACV ) :*  
200 mV/300 mV/500 mV/1 V/2 V/3 V.  
*Ranges ( ACA ) :*  
20 A/200 A/2000 A/30 A/300 A/ 3000 A /6000A.
- \* Meter can cooperate the universal current probes.
- \* Complete set with 4 PCs Test Leads, 4 PCs Alligator clips, 3 PCs Clamp Probe ( CP 1201 ), AC to DC 9V adapter, 4G SD memory card and Carrying bag.
- \* Measurement :  
V ( phase-to-phase ), V ( phase-to-ground )  
A ( phase-to-ground ).  
KW / KVA / KVAR / PF ( phase ).  
KW / KVA / KVAR / PF ( system ).  
KWH / KVAH / KVARH / PFH ( system ).  
Phase angle.
- \* Harmonics display ( 1-50th order ).
- \* Simultaneous display of Harmonics and Waveform.
- \* Display of Waveform with Peak Values.
- \* Analysis of Total Harmonic Distortion ( THD ).
- \* Graphic Phase diagram with 3-Phase system parameters.
- \* 3 phase Voltage or Current Unbalanced Ratio ( VUR, AUR ) and Unbalanced Factor.
- \* Calculated Unbalanced Current through Neutral Line ( An ).
- \* Capture Transient events ( including Dip, Swell and Outage ) with programmable threshold ( % ).
- \* Programmable CT ratio ( 1 to 600 ) and PT ratio ( 1 to 1000 ).
- \* ACV input impedance is 10 Mega ohms.
- \* Safety Standard : IEC 1010, CAT III 600V.
- \* Built-in clock and Calendar, real time data record with SD memory card , sampling time can be set from 2 to 7200 seconds. Just slot the SD card into the computer, all the measured values with the time information ( year, month, date, hour, minute, second ) can be downloaded to the Excel directly, then users can make the further data analysis by themselves.
- \* Powered by AA ( UM-3 ) DC 1.5 V X 8 batteries ( Alkaline type ) or DC 9V adapter.
- \* Computer data output can cooperate with optional USB Cable/USB-01, RS232 cable/UPCB-02 and Data Acquisition software, SW-U811, SW-E802, SW-E816.
- \* Optional current probes : CP-1201, CP-200, CP-2000, CP-3000, CP-3001, CP-6001, CP-3002.
- \* User can order the meter only ( without the current probes ) with the special request if intend to cooperate their own current probes.
- \* DW-6195 and DW-6095 are the same shapes, but the Display screen is a color LCD, replace the original monochrome LCD.
- \* Patented.

# Vibration Spectrum Analyzer SD card data recorder

ERIES



## SD card real time data recorder VIBRATION SPECTRUM ANALYZER

Model : BVB-8208SD

### FEATURES

- \* Vibration Meter Mode :
  - 2 Channels vibration measurement input :
  - One display screen shows all 2 channels of Acceleration, Velocity, Displacement values at the same time.
- \* FFT Analyzer Mode :
  1. Real-time analysis frequency 10 kHz.
  2. Time waveform display and spectrum display with up to 1024 spectral lines.
  3. Vibration waveform data recording function.
    - Data are stored in WAVE file format on SD memory card.
- \* Built-in clock and Calendar, save real time data information into SD memory card. Sampling time can be set from 2 to 3600 seconds.
- \* Data file can be downloaded to the Excel, extra software is no need.
- \* Waveform can be saved into BMP file, easy operation and it is useful for the further analysis.
- \* Time information : Year, Month, Date, Hour, Minute and Second.
- \* Acceleration :
  - 200 m/s<sup>2</sup>.
  - Velocity : 200 mm/s.
  - Displacement ( p-p ) : 2 mm.
- \* Max Hold, Peak Value, Data Hold, Max./Min..
- \* SD memory card capacity : 1 GB to 16 GB.
- \* TFT LCD display : 320 x 240 pixel, Graphic LCD.
- \* RS232/USB computer interface
- \* Powered by DC 1.5V ( UM-3/AA ) x 8 PCs batteries (Alkaline type) or DC 9V adapter.



**Moisture & Temperature 2 in 1  
SOIL TESTER**

**Model : PMS-716**

- \* Designed to check the soil's moisture and Temp. level or other similar material, 2 in 1.
- \* All in one digital soil meter, easy to make operation.
- \* Moisture measurement range : 0 % to 50 % moisture content of the soil sample with 0.1 % resolution.
- \* Temp. measurement range : 0 °C to 50 °C of soil sample with 0.1 °C resolution.
- \* Temperature unit : °C/°F.
- \* Data hold function to freeze the desired value on display.
- \* Microprocessor circuit ensures high accuracy and provides special functions and features.
- \* Operates from DC 1.5V ( UM4/AAA ) x 4 PCs batteries.
- \* Built-in low battery indicator.
- \* Durable, long-lasting components, enclosed in strong, compact ABS-plastic housing.



**SOIL THERMOMETER**

**Model : PST-715**

- \* Measuring range : 0 to 100 °C.
- \* Cooperate with the type K Temp. probe.
- \* Unit : °C, °F internal adjustment.
- \* Meter is built-in test probe all in one , easy to operate.
- \* Hold Function to freeze display button
- \* Built-in reverse display button easy to read the test value.
- \* IP-65 Water resistance, heavy duty
- \* Size : 40 x 40 x 383 mm.
- \* DC 1.5 V battery (UM-4 AAA ) x 4.



## ELEVATOR TACHOMETER

Model : DT-2337

- \* Multi-functions elevator tachometer.
- \* Photo Tach :  
6 to 99,999 RPM , 0.10 ~ 1666.7 rev/s.
- \* Contact Tach : 0.5 to 19,999 RPM.
- \* Surface speed :  
rev/s, m/min, ft/min, in/min, cm/s, m/s, km,  
m, km/h.
- \* Stroboscope : 100 to 99,990 RPM/FPM.
- \* Type K thermometer ( Optional type K  
probes ) : -100.0 to 1300.0 °C.
- \* Pt 1000 ohm Temp. ( Optional probe,  
TP-1000 ) : -10 to 70 °C.
- \* Hold Function to freeze display button.
- \* Fast sampling time for contact RPM  
measurement, automatic reverse display.
- \* Size : 207 x 67 x 39 mm.
- \* DC 1.5 V battery (UM-3 AA ) x 4.

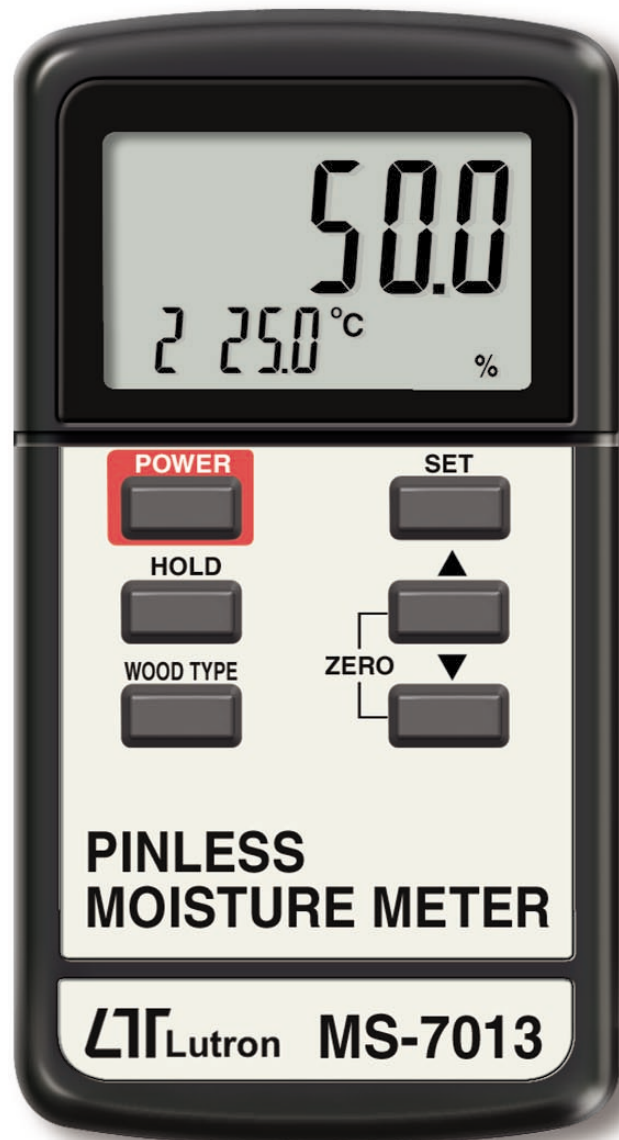


**pinless**

**WOOD MOISTURE**

**Model : MS-7013**

- \* Pinless Wood moisture measurement.
- \* Wood density selection ( 8 Kinds Wood density group Type ).
- \* moisture range : 0 to 50%
- \* Temperature range : 0 to 50 °C.
- \* Unit : °C, °F internal setting.
- \* Meter is built-in scan sensing part, easy operation.
- \* Hold Function to freeze display button.
- \* Size : 131 x 70 x 25 mm.
- \* Power supply : DC 9V battery ( 006P, MIN1604 ).





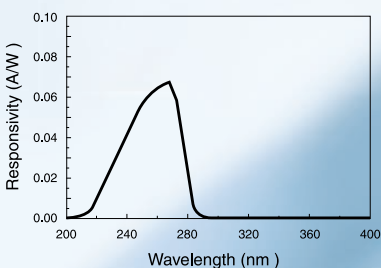


**UVC LIGHT METER RS-232**

**Model : UVC-254A**

- \* UVC Ultra-Violet radiometer.
- \* 3 range :
  - 199.9 uw/cm<sup>2</sup> x 0.1 uw/cm<sup>2</sup>
  - 1.999 mw/cm<sup>2</sup> x 0.001 mw/cm<sup>2</sup>
  - 19.99 mw/cm<sup>2</sup> x 0.01 mw/cm<sup>2</sup>
- \* Data Hold.
- \* RS232/USB PC computer interface.
- \* Max., Min., memory recall button.
- \* Size : 180 x 72 x 32 mm
- \* Power supply : DC 9V battery ( 006P, MIN1604 ).

UVC-254A UVC sensor spectrum

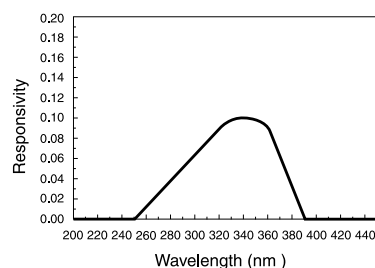


**UVA LIGHT METER RS-232**

**Model : UVA-365A**

- \* UVA Ultra-Violet radiometer.
- \* 3 range :
  - 199.9 uw/cm<sup>2</sup> x 0.1 uw/cm<sup>2</sup>.
  - 1.999 mw/cm<sup>2</sup> x 0.001 mw/cm<sup>2</sup>.
  - 19.99 mw/cm<sup>2</sup> x 0.01 mw/cm<sup>2</sup>.
- \* Data Hold.
- \* RS232/USB PC computer interface.
- \* Max., Min., memory recall button.
- \* Size : 180 x 72 x 32 mm.
- \* Power supply : DC 9V battery ( 006P, MIN1604 ).

UVA-365A UVA sensor spectrum



**Professional stroboscope**  
**Metal housing case** SERIES  
**High light intensity**



**Digital synthesis, High intensity light, External trigger**  
**Metal housing case, professional and long life**

**DIGITAL STROBOSCOPE XENON**

**Model : DT-2279 ( AC 110V )**

**Model : DT-2279 ( AC 220V or 230V )**

- \* New generation Stroboscope, used metal housing case with long life.
- \* Digital synthesis circuit, high stability and easy adjustment.
- \* Xenon flash tube, high intensity light.
- \* Display : 14 mm large red LED.
- \* Range : 40 to 35,000 RPM ( FPM ).
- \* External trigger signal input for simultaneous testing and measurement.
  1. Phase Shift : 0 to 359° with 1° resolution.
  2. Delay Time : 0 to 2,000 mSec from 40 - 10,000 RPM.
- \* Adjustment resolution : 0.1 RPM ( < 1,000 RPM ), 1 RPM ( < 10,000 RPM ), 10 RPM ( ≥ 10,000 RPM ).
- \* Setting button Key : Ext./Int. button, Mode button, digital adjusting button, x 2 button, ÷ 2 button, + button, - button, easy to adjust the desired RPM.
- \* Digital rotary adjustment, easy for making fine adjustment.
- \* Power supply ( ACV only ) :  
 DT-2279 ( AC 110V ), DT-2279( AC 220V ).



**Precision milligauss  
AC/DC magnetic  
Bench type** SERIES



Precision probe



General probe



**SD Card real time data recorder  
Precision and General measurement, 2 in 1  
MAGNETIC METER**

**Model : BMG-3004SD**

\* Real time recorder, save the data into the SD memory card and can be downloaded to the Excel, extra software is no need.

\* Precision and General magnetic field measurement, 2 in 1 and wide range.

\* For industrial, mechanical, material, electrical, laboratory field usage.

\* Two probes are included :  
Precision probe and General probe.

\* Precision measurement ( cooperate with the precision probe ) :

1. Use MI sensor, High sensitivity.
2. Measurement ranges :  
-3,000 mG to 3,000 mG, -300 uT to 300 uT.
3. Unit : mG ( milliGauss ), uT ( micro Tesla ).
4. Resolution : 0.1 mG/1 mG, 0.01 uT/0.1 uT.

\* General measurement ( cooperate with the general probe ) :

1. Use Hall sensor with automatic Temp. compensation.
  2. Measurement ranges :  
DC : 300.00 mT/3000.0 mT, 3,000.0 G/30,000 G  
AC : 150.00 mT/1500.0 mT, 1,500.0 G/15,000 G
  3. Unit : mG ( milli Gauss ), uT ( micro Tesla ).
  4. Resolution : 0.1 G/1 G, 0.01 mT/0.1 mT.
- \* DC and AC magnetic field measurement.
  - \* N pole/S pole indicator.
  - \* Zero button for DC magnetic function.
  - \* Data hold, record max. and min. reading.
  - \* Separate probe, easy operation and convenient for remote measurement.
  - \* RS232/USB computer interface.
  - \* Auto shut off is available to save battery life.
  - \* SD card capacity : 1 GB to 16 GB.
  - \* TFT color LCD, easy reading.
  - \* Optional acquisition softwares, SW-U801-WIN, SW-E802, SW-E816.
  - \* Power by UM3/AA ( 1.5 V ) x 6 batteries or DC 9V adapter.



**Panel DO monitor/controller**  
**IR temp. transmitter**  
**ORP electrode**  
**125 Hz sound calibrator**



**ORP ELECTRODE**

**Model : ORP-15**

- \* Professional ORP electrode with high accuracy and extreme reliability.
- \* Silver-silver/chloride reference gel.
- \* Epoxy body, BNC connector and 2 meters cable.
- \* 12.5 mm Dia, x 150 mm length.
- \* Range : -2,000 to 2,000 mV.
- \* Optional ORP electrode for LUTRON ORP meters.
- \* Applications for water conditioning, aquariums, beverage, fish hatcheries, food processing, photography, laboratory, paper industry, quality control.



**DISSOLVED OXYGEN CONTROLLER/MONITOR**

**Model : PDO-8220**

- \* Use the polar graphic type oxygen probe with temperature sensor, high precision measurement for Dissolved Oxygen ( DO ) and the temperature measurement.
- \* Dissolved oxygen range : 0 to 50 mg/L.
- \* Auto temp. compensation, Auto Calibration.
- \* Probe head with diaphragm set and electrolyte are included.
- \* Dissolved oxygen probe head can be connected with BOD bottle.
- \* Control setting, Hi/Lo alarm setting.
- \* Control relay output, alarm relay output.
- \* Power : 90 ACV to 260 ACV, 50/60Hz.
- \* RS-232/USB computer interface.
- \* DIN size : 96 x 48 mm. Depth : 107 mm.



**4-20 mA output, Infrared Temp.**  
**IR Temp. TRANSMITTER**

**Model : TR-IR430**

- \* Analog outputs, 4 to 20 mA :  
 4 mA output = 0 °C ( 32 °F )  
 20 mA output = 600 °C ( 1112 °F )
- \* Emissivity : 0.100 to 1.000, can be adjusted.
- \* D/S ( Distance/spot ) ratio : 20 : 1.
- \* Power supply : 24 VDC ±20%.
- Max. Output Load : 500 ohms.
- \* 4 wires.
- \* Spectral response : 8 to 14 um.
- \* Environment rating : IP-65 ( Housing only ).



**125 Hz/94 dB SOUND CALIBRATOR**

**Model : SC-943**

- \* Professional, 125 Hz/94 dB sound source.
- \* Die casting aluminum alloy housing case.
- \* DC 9V batteries x 2 PCs.
- \* Size : round 50 mm Dia. x 145 mm ( length ).



**Economic type  
Acceleration/Velocity/Displacement  
VIBRATION METER**

**Model : VB-8100**

- \* Measurement range:
  1. ACC : 0.5 to 199.9 m/s<sup>2</sup>.
  2. VEL : 0.5 to 199.9 mm/s.
  3. DISP : 1.999 mm.
- \* Power Supply :  
UM3/AA (1.5 V) x 6 Pcs.



**Acceleration/Velocity/Displacement  
DUAL CHANNEL  
VIBRATION METER**

**Model : VB-8230SD**

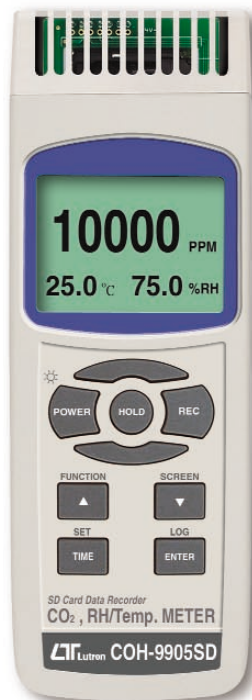
- \* Measurement range:
  1. ACC : 0.5 to 199.9 m/s<sup>2</sup>.
  2. VEL : 0.5 to 199.9 mm/s.
  3. DISP : 1.999 mm.
- \* Power Supply :  
UM3/AA (1.5 V) x 6 Pcs.



**RF Bug and Camera Detector  
RF DETECTOR**

**Model : FC-2601**

- \* Detector range :
  1. 2.4GHz wireless camera : 10m<sup>2</sup>.
  2. 1.2GHz wireless camera : 10m<sup>2</sup>.
  3. Mobile Phone : 3-1010m<sup>2</sup>.
- \* Power Supply : UM4/AAA (1.5 V) x 3 Pcs.



**SD card real time recorder, all in one  
CO2 METER + Humidity/Temp.**

**Model : COH-9905SD**

- \* Measurement range :
  - CO<sub>2</sub> ( Carbon monoxide ) : 0 to 10,000 ppm.
  - Humidity/Temp. : 5 % to 95 % R.H/ 0 to 50 °C.
- \* Power Supply : UM3/AA (1.5 V) x 6 Pcs.



**4 light type selection, 4 light type selection,  
Auto range 0 to 100,000 LUX  
SD card real time recorder,  
LUX & Foot Candle unit selection  
LIGHT METER**

**Model : LX-1138SD**

- \* Measurement range : 2,000/20,000/100,000 LUX.
- \* Power Supply : UM3/AA (1.5 V) x 6 Pcs.





**small size**  
**HEAT INDEX WBGT METER**

**Model : WBGT-208**

\* Measurement range :

1. Wet bulb globe temperature ( WBGT ) :  
Indoor 0 to 59 °C, Outdoor 0 to 56 °C.
2. Air temperature ( TA ):0 to 50 °C.
3. Black globe temperature ( TG ) : 0 to 80 °C.
4. Humidity :5 % to 95 % R.H

\* Power Supply : UM4/AAA (1.5 V) x 3 Pcs.



**Pen type, all in one, IP-67**  
**CONDUCTIVITY/TDS/SALT**  
**PEN METER**

**Model : PCD-433**

\*Measurement range :

1. Conductivity : 2000 uS, 20.00 ms.
2. TDS : 2,000 ppm 20,000 ppm.
3. SALT : 0 ~ 12 %.

\* Power Supply : UM4/AAA (1.5 V) x 4 Pcs.



**Light, Humidity, Air velocity,**  
**Air flow, Type k Temp., ...9 in 1**  
**ENVIRONMENT METER**

**Model : EM-1900**

\* Measurement range :

1. Air velocity : 0.4 to 20.0 m/s.
2. Humidity/Temp. : 10 to 95 %RH/0 to 50 °C.
3. Light:0 to 20,000 lux.
4. Air flow : 0.024 to 36000 CMM.
- 5 Air flow : 0.024 to 36000 CFM.
6. Dew point Temp. : -25.3 to 49.0 °C.
7. Wet bulb Temp. : -5.4 to 49.0 °C
8. Heat index : 0 to 100.0 °C.
9. Type K thermometer :  
-50.0 to 1300.0 °C.

\* Power Supply :  
UM4/AAA (1.5 V) x 3 Pcs.



**Sound, Humidity, Light meter, Dew point**  
**Wet bulb, Heat index, Type K Temp. ...7 in 1**  
**ENVIRONMENT METER**

**Model : EM-1910**

\* Measurement range :

1. Sound level : 35 - 130 dB.
2. Humidity/Temp. : 10 to 95 %RH/0 to 50 °C.
3. Light : 0 to 20,000 lux.
4. Dew point Temp. : -25.3 to 49.0 °C.
5. Wet bulb Temp. : -5.4 to 49.0 °C.
6. Heat index : 0 to 100.0 °C.
7. Type K thermometer : -50.0 to 1300.0 °C.

\* Power Supply : UM4/AAA (1.5 V) x 3 Pcs.



**Heavy duty hard carrying case**

**Size : 335 x 288 x 85 mm**

**HARD CARRYING CASE**

**Model : CA-07A**

\* Please contact LUTRON for detailed catalog.





**125 Hz/250 Hz/500 Hz/1K Hz, 94/104/114 dB  
MULTI FREQUENCY  
SOUND LEVEL CALIBRATOR**

**Model : SC-934**

- \* Frequency : 125 Hz/250 Hz/500 Hz/1K Hz
- \* Level : 94/104/114 dB
- \* Power Supply : 9 V ( 006P, MIN1604 ) x 1 Pc.



**1 KHz/94dB  
SOUND LEVEL CALIBRATOR**

**Model : SC-951**

- \* Please contact LUTRON for detailed catalog.



**4 PINS  
SOIL TESTER**

**Model : MS-7004SD**

- \* Measurement range:
  1. Soil moisture : 0 ~ 100 %
  2. Temperature : 0 ~ 60 °C.
- \* Power Supply : UM3/AA (1.5 V) x 6 Pcs.



**Economical type  
PM 2.5 AIR QUALITY METER**

**Model : PM-1051**

- \* Measurement range : 0 to 250  $\mu\text{g}/\text{m}^3$ .
- \* Power Supply : UM3/AA (1.5 V) x 6 Pcs.



**NON CONNECT WIRE SEND PROBE**

**Model : RHS-221**

- \* Measurement functions : Humidity, temperature.
- \* Humidity range: 10 to 95 %.
- \* Temperature range : 0 to 50 °C.
- \* power supply by UM4/AAA (1.5 V) x 4 Pcs.

**SD Card real time data recorder  
 NON CONNECT WIRE PROBE %RH...AM  
 RECEIVER METER**

**Model : WR-2022SD**

- \* Environment instrument, multi-function, 4 in 1.
- \* Humidity measurement can show %RH and Temp., Dew , Wet Temp.
- \* Temp. display unit default to °C or °F.
- \* Meter can default auto power off or manual power off.
- \* Real time SD memory card Datalogger, it Built-in Clock and Calendar, real time data recorder , sampling time set from 1 second to 3600 seconds.
- \* Manual datalogger is available ( set the sampling time to 0 ), during execute the manual datalogger function, it can set the different position ( location ) No. ( position 1 to position 99 ).
- \* Innovation and easy operation, computer is not need to setup extra software, after execute datalogger, just take away the SD card from

- the meter and plug in the SD card into the computer, it can down load all the measured values with the time information (year/month/date/ hour/ minute/second ) to the Excel directly, then user can make the further data or graphic analysis by themselves.
- \* SD card capacity : 1GB to 16GB.
- \* Display is highlight. TFT, easy reading.
- \* Can default auto power off or manual power off.
- \* Data hold, record max. and min. reading.
- \* Power supply by UM3/AA ( 1.5 V ) x 6 batteries or DC 9V adapter.
- \* RS232/USB PC COMPUTER interface.
- \* Available for the HVAC applications.



**6.0 GHz, with TCXO, SD card datalogger, Bench type  
FREQUENCY COUNTER**

**Model : FC-6000SD**

- \* TCXO (temperature compensated crystal oscillator) time base, high stability & accuracy.
- \* High sensitivity for the VHF & UHF frequency measurement, useful for the CB amateur.
- \* Wide measuring range up to 6.0 GHz.
- \* Used the exclusive Microprocessor IC offered the intelligent function: Frequency, Period, Multi resolution, Data hold, Relative measurement, Data record ( Max., Min., Average reading ).
- \* 4.3 " TFT LCD .
- \* 0.1 Hz resolution for 10 MHz, 10 Hz resolution for 1 GHz, 100 Hz resolution for 6 GHz.
- \* LCD display for low power consumption & clear read-out even in bright ambient light condition.
- \* Power supply by UM3/AA ( 1.5 V ) x 6 batteries or DC 9V adapter.
- \* RS 232 PC serial interface.





**4 to 20 mA, IOT transmitter**  
**HUMIDITY/TEMP. TRANSMITTER**  
**Model : TRRH-301**  
 \* Please contact LUTRON for detailed catalog.



**4 to 20 mA, IOT transmitter**  
**SOUND LEVEL TRANSMITTER**  
**Model : TRSL-401**  
 \* Please contact LUTRON for detailed catalog.



**4 to 20 mA, IOT transmitter**  
**LIGHT TRANSMITTER**  
**Model : TRLX-101**  
 \* Please contact LUTRON for detailed catalog.



**4 to 20 mA, IOT transmitter**  
**DISSOLVED OXYGEN TRANSMITTER**  
**Model : TRDO-501**  
 \* Please contact LUTRON for detailed catalog.



**4 to 20 mA, IOT transmitter**  
**VIBRATION TRANSMITTER**  
**Model : TRVB-801**  
 \* Please contact LUTRON for detailed catalog.





**4-wire 4.00 - 20.00 mA output**  
**CONDUCTIVITY/TDS TRANSMITTER**

**Model : TRCD-431**

- \* Built in temperature sensor, ATC ( auto temperature compensation ).
- \* 1.413 standard solution are standard accessories.
- \* 4-wire installation.
- \* Linear current output (4.00 - 20.00 mA)
- \* Easy installation and connection.
- \* Conductivity range 1 : 0 to 200  $\mu$ S.
- \* Conductivity range 2 : 0 to 2.000  $\mu$ S.
- \* Conductivity range 3 : 0 to 20 mS.
- \* TDS ( Total Dissolved Solids ) range 1 : 0 to 132 ppm.
- \* TDS ( Total Dissolved Solids ) range 2 : 0 to 1320 ppm.
- \* TDS ( Total Dissolved Solids ) range 3 : 0 to 13200 ppm.
- \* Power supply by DC 9 ~ 30V.
- \* Available for wide applications, such as aquarium, beverage, fish hatcheries, food processing, photography, laboratory, quality control, school & colleges, swimming pools, water conditions.



**4-wire 4.00 - 20.00 mA output**  
**CO<sub>2</sub> TRANSMITTER**

**Model : TRCO2-502**

- \* Built in temperature sensor, ATC ( auto temperature compensation ).
- \* CO<sub>2</sub> sensor : NDIR, long term reliability.
- \* 4-wire installation.
- \* Linear current output (4.00 - 20.00 mA)
- \* Easy installation and connection.
- \* CO<sub>2</sub> Range : 0 to 5000ppm.
- \* Power supply by DC9 ~ 30V.
- \* Available for wide applications, such as aquarium, beverage, fish hatcheries, food processing, photography, laboratory, quality control, school & colleges, swimming pools, water conditions.



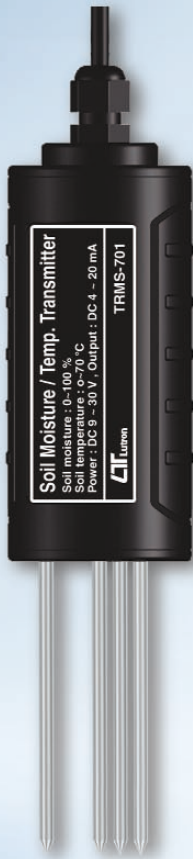
**4 wire , 4 - 20 mA**  
**Range 0 ~ 14 pH**  
**pH TRANSMITTER**

**Model : TRPH-201**

**FEATURES**

- \* 4-wire installation.
- \* Linear current output .
- \* Easy installation and connection.
- \* pH range : 4.00 to 14.00 pH.
- \* Analog output: 4 to 20 mA.
- \* 4.00 & 7.00 pH standard solution are standard accessories.
- \* Power supply by DC 9 ~ 30 V .
- \* Available for wide applications, such as aquarium, beverage, fish hatcheries, food processing, photography, laboratory, quality control, school & colleges, swimming pools, water conditions.





**4PINS ,3wire ,4to20mA IOTtransmitter  
SOIL MOISTURE/Temp. TRANSMITTER  
Model : TRMS-701**

- \* Measurement ranges, 0 ~ 100 % . 0 ~ 70 °C
- \* Four PIN probe (PIN length 78 mm)
- \* High stability
- \* High accuracy
- \* Fast response.
- \* Easy Installation.
- \* Separate probe, easy for operation of different environment measurement .
- \* Thermister temperature.
- \* 3-wire installation.
- \* Linear current output .
- \* Easy installation and connection.
- \* Powerby DC 9 to 30 V.
- \* Microcomputer circuit, high accuracy.



**NON-CONTACT, LCD display  
3 PHASE ROTATION TESTER  
Model : RT-626**

**FEATURES**

- \* Electronic ( not mechanical ) rotation test, high reliability.
- \* LCD display, easy read and simple operation.
- \* Signal input voltage : 100V AC up to 660V AC max.



## LN-A37 Large Alligator Clip

### Specifications

- \* Rating : CATIII 1000V CATIV 600V
- \* Current : 20A
- \* Colour : Black, Red
- \* Connection : Slide-on 2mm Jack With No.4 (T=48) screw  
Option : **4mm Jack (LN-A35)**
- \* Jaw Opening : 34mm
- \* Recommended for use with LN-S05 test leads



## LN-A40 Little Alligator Clip

### Specifications

- \* Rating : CATIII 1000V CATIV600V
- \* Current : 10A
- \* Colour : Black, Red
- \* Jaw Opening : 8.5mm
- \* Connection : Slide-on 2mm Jack With No.4 (T=48) screw  
Option : **4mm Jack (LN-A38)**
- \* Recommended for use with LN-S05 test leads



## LN-A41 Alligator Clip Test Lead ( Right Angle )

### Specifications

- \* Rating : CATIII 1000V CATIV 600V
- \* Current : 10A
- \* Colour : Black, Red
- \* Connection : 4mm Banana Plug  
Option : **Straight (LN-A43)**
- \* Lead Length : 750mm
- \* Lead Type : UL1803 PVC (Dual-layer insulation)



## LN-S05 Safety Test Lead Set ( Right Angle )

### Specifications

- \* Rating : CATIII 1000V CATIV 600V
- \* Current : 10A
- \* Colour : Black, Red
- \* Connection : 4mm Banana Plug  
Option : **Straight (LN-S07)**
- \* Lead Length : 900mm
- \* Test Probe : 2mm with No.4(T=48)Screw
- \* Lead Type : UL1803 PVC (Dual-layer insulation)



## LN-S09 Detachable Test Lead Set ( Right Angle )

### Specifications

- \* Rating : CATIII 1000V CATIV 600V
- \* Current : 10A
- \* Colour : Black, Red
- \* Connection : 4mm Banana Plug  
Option : **Straight (LN-S11)**
- \* Test Probe : 2mm
- \* Lead Length : 900mm
- \* Lead Type : UL1803 PVC (Dual-layer insulation)



## LN-N01 K-type Thermocouple Adapter

### Specifications

- \* Adapts K-Type thermocouple mini-connector to dual shrouded banana plug inputs
- \* Measurement range and accuracy: probe dependent
- \* Suitable for low voltage applications ( below 30 V AC, 60 V DC )
- \* Size : 51x37x14.5mm



## LN-N02 Flexible 0.75mm Test Probe

### Specifications

- \* Colour : Black, Red
- \* Connection : 2mm Jack
- \* Length : 30mm
- \* Test probe : 0.75mm Gold-plated Flexible
- \* The 2mm Jack design allows quick and easy connection to any 2mm Probe Test Lead.



## LN-N07 1mm Test Probe

### Specifications

- \* IEC Rating : CATIII 1000V
- \* Current : 2A
- \* Colour : Black, Red
- \* Connection : 2mm Jack
- \* Shaft Length : 58mm
- \* Test probe : 1mm stainless
- \* The 2mm Jack design allows quick and easy connection to any 2mm Probe Test Lead.



## LN-N13 Mini Test Hook Clip

### Specifications

- \* IEC Rating : CATII 300V
- \* Current : 2A
- \* Colour : Black, Red
- \* Connection : 2mm Jack
- \* Clip Type : Mini test clip (41mm).
- \* Lead Length : 155mm
- \* Lead Type : UL1007PVC With Braided.
- \* The 2mm Jack design allows quick and easy connection to any 2mm Probe.



## LN-N14 Micro Test Hook Clip

### Specifications

- \* IEC Rating : CATII 300V
- \* Current : 2A
- \* Colour : Black, Red
- \* Connection : 2mm Jack
- \* Clip Type : Micro test clip (57mm)
- \* Lead Length : 155mm
- \* Lead Type : UL1007 PVC With Braided
- \* The 2mm Jack design allows quick and easy connection to any 2mm Probe.



## LN-N19 Little Alligator Clip

### Specifications

- \* IEC Rating : CATII 300V
- \* Current : 2A
- \* Colour : Black, Red
- \* Connection : 2mm Jack
- \* Clip Type : Mini test clip
- \* Lead Length : 135mm
- \* Lead Type : UL1007PVC With Braided
- \* The 2mm Jack design allows quick and easy connection to any 2mm Probe Test Lead.



## LN-N46 Flat Alligator Clip

### Specifications

- \* IEC Rating : CATII 300V
- \* Current : 2A
- \* Colour : Black, Red
- \* Connection : 2mm Jack
- \* Clip Type : Flat alligator clip
- \* Lead Length : 135mm
- \* Lead Type : UL1007 PVC With Braided
- \* The 2mm Jack design allows quick and easy connection to any 2mm Probe Test Lead.

