

Compact Measuring Instruments

- THERMOMETER
- LIGHT METER
- PH METER
- ANEMOMETER

- Easy to measure
- In conformance to CE



**LIGHT METER
(MODEL:EL-1000)**



**THERMOMETER
(MODEL: TC-2200)**



**PH METER
(MODEL: EH-1000)**



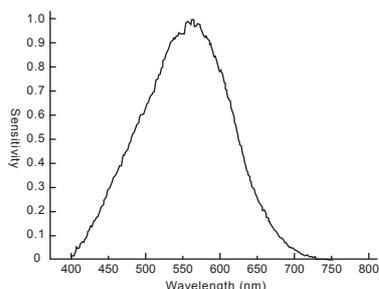
**ANEMOMETER
(MODEL: EA-1000)**

Specifications

LIGHT METER (MODEL:EL-1000)

1.General Specifications

Display	13mm LCD, 3 1/2 digits display
Sensor	Silicon Photo Diode
Measurement Functions	0 - 19990LUX, 2 range selections
Out of Range Indicator	Displays "1"
Operating Conditions	0 - 50°C, less than 80%RH
Power Supply	006P Type Battery, MN1604 (PP3) or equivalent
Battery Life	Approx. 200 hours
Dimensions	Main Unit ...131(H) x 70(W) x 25(D)mm Probe ...85(W) x 58(H) x 18(D)mm
Weight	Approx. 150g (battery and sensor included)
Accessories	Instruction Manual, Battery



2.Efficiency

Measuring Range	Resolution	Accuracy
0 - 1999 LUX	1LUX	± (5%+4d)
2000 - 19990 LUX	10LUX	± (5%+4d)

* Temperature conditions : Test environment 23±5°C

PH METER (MODEL:EH-1000)

1.General Specifications

Measuring Method	glass electrode method *1 (Combination Electrode)*2
Display	12.5mmLCD 3 1/2 digits display
Sampling time	Approx. 0.4sec
Operating temperature	0 - 50°C
Operating humidity	90%RH max.(0 - 35°C)80%RH max.(35 - 50°C)
Power Supply	006P Type Battery, MN1604 (PP3) or equivalent
Battery Life	Approx.270 hours
Dimensions	Main Unit ...131(H) x 70(W) x 25(D)mm pH Electrode ...9.5mm x 120mm
Weight	Approx 200g (Battery and Electrode included)
Accessories	Instruction Manual, pH Electrode (EH-801), Battery

*1 Glass Electrode

The pH of a solution can be measured by determining the amount of voltage (electric potential) produced across two electrodes. These electrodes are the glass electrode and the reference electrode.

*2 Combination Electrode

The combination electrode is a glass electrode and a reference electrode combined together to form a single electrode.

This combination electrode is more convenient to handle specially in processes such as calibration, testing and washing.

2.Efficiency

Measuring range	Resolution	Accuracy
pH 1 - pH 3.9	pH 0.01	pH±(0.2)
pH 4 - pH 4.9		pH±(0.1)
pH 5 - pH 9		pH±(0.07)
pH 9.1 - pH10		pH±(0.1)
pH10.1 - pH13		pH±(0.2)

* Temperature conditions: Test environment 23±5°C

Standard Buffer Solution for Calibration (Sold Separately)

Product name	Product code
pH4 Standard buffer solution	EH-804
pH7 Standard buffer solution	EH-807

* When calibrating, the solutions "pH4 standard buffer solution" and "pH7 standard buffer solution" should both be used.

THERMOMETER (MODEL: TC-2200)

1.General Specifications

Display	13mm LCD, 3 1/2 digits display
Sensor	Thermocouple K type (miniature connector)
Sampling Time	Approx. 0.4 seconds
Operating Temperature	0 - 50°C
Power Supply	006P Type Battery
Battery Life	Approx. 300 hours
Dimensions	Main Unit ...131(H) x 70(W) x 25(D)mm
Weight	Approx. 140g (including battery)
Accessories	Instruction Manual, Battery

2.Efficiency

Measuring Range	Resolution	Accuracy
-40 - -21 °C	1°C	± 3°C
-20 - -1 °C		± 2°C
0 - 750 °C		± (1%+1°C)
751 - 1000 °C		- (2%+1°C)
1001 - 1200 °C		- (4%+3°C)

* Measuring condition : In an environment with electromagnetic field strength of below 3V/m and frequency of below 30MHz.

Probes (Sold separately)

Please refer to our "Thermal Probe catalog" to choose the K type thermal probe that you will use with this thermometer.

ANEMOMETER (MODEL:EA-1000)

1.General Specifications

Display	13mm LCD, 3 1/2 digits display
Measuring Method	Vane Method
Display Units	m/s, km/h selectable
Sampling Time	Approx. 0.4 sec.
Operating Conditions	0 - 50°C, less than 80%RH
Power Supply	006P, MN1604(pp3) or equivalent
Battery Life	Approx. 90 hours
Dimensions	Main Unit ...131(H) x 70(W) x 25(D)mm Sensor Head ...Diameter nearly 72mm
Weight	Approx. 270g (Battery and Sensor included)
Accessories	Instruction Manual, Battery

2.Efficiency

Functions	Measuring Range	Resolution	Accuracy
m/s	0.8 - 30.0 m/s	0.1m/s	± (3%+2d)
km/h	2.8 - 108 km/h	0.1km/h	± (3%+2d)

* Specifications are tested under the following environment : Electromagnetic field strength of below 3 v/m and frequency less than 300 Mhz.



LINE SEIKI CO., LTD.

Address: 37-7 Chuo-cho, 2-Chome Meguro-ku, Tokyo 152-0001 Japan
Contact : Tel : +81-3-37165151 Fax : +81-3-37104552
E-mail : webtrade@line.co.jp Web: http://www.line-seiki.com

This catalog was last revised as of November 24, 2010.

*Specifications Subject to Change Without Notice.
All Rights Reserved, Copyright©2010, LINE SEIKI CO., LTD.