ATC, auto calibration

PEN pH METER

Model : PH-222   *ISO-9001, CE, IEC1010*

LUTRON PH-222

0 [||||||||||||||] F

14.00 pH

25.0 °C

POWER
LOGGER
▲

FUNC
HOLD
ENTER

CAL

REC
°C / °F
▼

Range : 0~14 pH
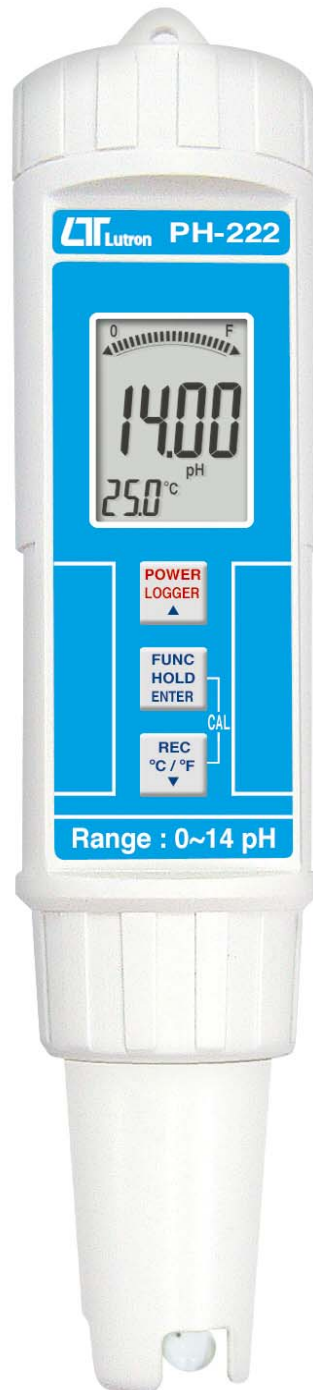
Lutron

LUTRON ELECTRONIC   *The Art of Measurement*

Pen type, with electrode, ATC

pH METER
Model : PH-222

FEATURES

* Pen type digital pH meter, all in one, pH electrode is included, easy for general purpose application.
* Build in temperature sensor, ATC (auto temperature compensation).
* pH 4, pH 7 standard solution are standard accessories.
* Easy to change the pH electrode.
* Temperature measurement, ℃, ℉.
* IP67, water proof and protection.
* Auto calibration for pH 4, pH 7 or pH 10 or other value.
* High input impedance.
* LCD with two displays and bar graph indicator.
* Data hold function for freezing the desired value.
* Auto power off.
* Records max. and min. value with recall.
* 100 point data logger with recall.
* Microcomputer circuit, intelligent function, high accuracy.
* Compact size, light weight.
* Power supply by DC 1.5 V battery (UM4/AAA) x 4 PCs,
* Available for wide applications, such as aquarium, beverage, fish hatcheries, food processing, photography, laboratory, quality control, school & colleges, swimming pools, water conditions.

Sampling Time	Approx. 0.8 second.
pH Temp. Compensation	ATC (Automatic temperature compensation), build thermister Temp. sensor.
Memory Recall	Maximum & Minimum value.
pH Calibration	pH 7, pH 4 or pH 10, 3 points calibration ensure the best linearity and accuracy. *Other calibration point that near the pH 7, pH 4, and pH 10 are available.*
Data Logger	Max. can save 100 point data with recall. Manual, push the data logger button once will save data one time.
Circuit	Custom one-chip of microprocessor LSI circuit.
Operating Temperature	0 to 60 ℃ (32 to 140 ℉).
Operating Humidity	Less than 80% RH.
Power Supply	DC 1.5V battery (UM-4/AAA) x 4 PCs.
Power Consumption	Approx. 4.8 mA.
Dimension	186 x 40 x 32 mm (7.3 x 1.6 x 1.3 inch). * Meter with pH electrode.
Weight	131 g/0.36 LB (included electrode).
Power off	Auto power shut off to save battery life.
Standard Accessories (included)	Instruction Manual.............................. 1 PC pH electrode, PE-12.......................... 1 PC pH 7.00 buffer solution, PH-07A........... 1 PC pH 4.00 buffer solution, PH-04A........... 1 PC *** PE-12, PH-07A, PH-04A are the consumer accessory.**
Optional Accessories	pH electrode, PE-12 pH 7.00 buffer solution, PH-07A pH 4.00 buffer solution, PH-04A Hard carrying case, Model : CA-06 Soft carrying case, Model : CA-52A

SPECIFICATIONS

Display	LCD, size : 20 mm x 28 mm. * With bar graph indicator.	
Measurement Range	pH	0 to 14 pH.
	Temp.	0 to 60 ℃ (32 to 140 ℉).
Resolution	pH	0.01 pH.
	Temp.	0.1 ℃ / 0.1 ℉.
Accuracy	pH	± 0.02 pH *After calibration, meter without PE-12 electrode.* *± 0.2 pH* *After calibration, meter with PE-12 electrode.*
	Temp.	± 0.8 ℃/ ± 1.5 ℉.
pH Input Impeda	10^12 ohms.	
pH Electrode	PE-12, Included.	
Data Hold	Freeze the display reading.	