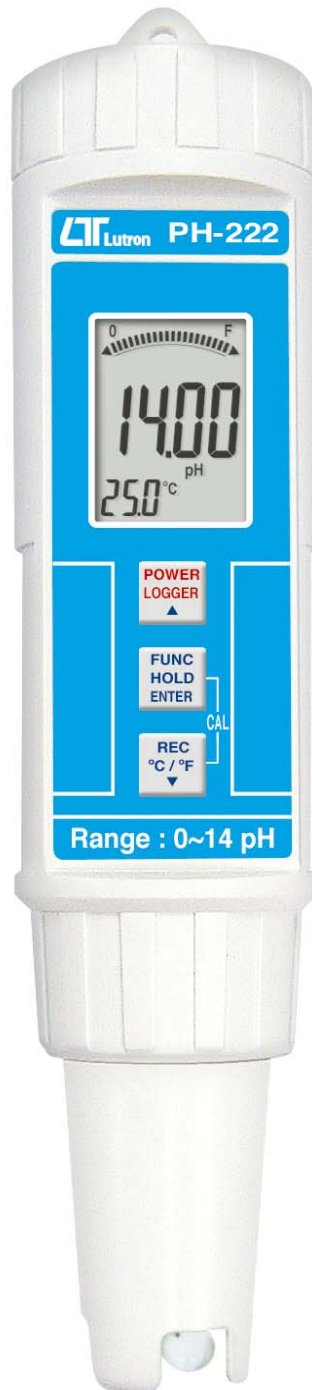*ATC, auto calibration*

PEN PH METER

Model : PH-222

ISO-9001, CE, IEC1010

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.	

SPECIFICATIONS

Display	LCD, size : 20 mm x 28 mm.	
	* With bar graph indicator.	
Measurement Range	pH	0 to 14 pH.
	Temp.	-5 to 80 ℃ (23 to 176 ℉).
Resolution	pH	0.01 pH.
	Temp.	0.1 ℃ / 0.1 ℉.
Accuracy	pH	± 0.02 pH
		* After calibration.
	Temp.	± 0.8 ℃ / ± 1.5 ℉.
pH Input Impeda	10^12 ohms.	
pH Electrode	Included. * PE-12	
Data Hold	Freeze the display reading.	
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	Meter : 0 to 60 ℃ (32 to 140 ℉). pH electrode : -5 to 80 ℃ (23 to 176 ℉).
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-05A

* Appearance and specifications listed in this brochure are subject to change without notice.