

Pen type

WATER HARDNESS PURE WATER METER

Model : PWH-303

ISO-9001, CE, IEC1010



FEATURES :

- * Separate Pt glass electrode, high performance for pure water low conductivity measurement.
- * Measurement water conductivity : 0 to 1999 μS .
- * Measurement water hardness : 0 to 1000 ppm.
- * Separate Meter with the probe, easy operation.
- * Hold , Record (max., min.).
- * DC 1.5V battery (UM-4/AAA) x 4.
- * Water conditioning , aquarium , food processing, photography , school ,laboratory, industrial and quality control.



Lutron

LUTRON ELECTRONIC

The Art of Measurement

Port Type

PURE WATER/HARDNESS METER

Model : PW/H-303

FEATURES

- All in one portable Pure water meter provides fast accurate readings with digital reading.
- Pure water measurement (μS) or hardness (ppm) can be selected.
- Pure water : 2,000 μS .
- Hardness : 1,000 ppm.
- Pt-glass electrode for long life and low conductivity measurement.
- Built in temperature sensor, ATC (auto temperature compensation).
- Temperature measurement, $^{\circ}C$, $^{\circ}F$.
- LCD with two display shows conductivity and Temp. value at same time.
- Easy hold function for freezing the desired value.
- Auto power off to save the battery life.
- Remains clear and free, value with recall.
- Microcomputer circuit, backlight function, high accuracy.
- Compact size, light weight.
- Power supply by DC 1.5V battery (UM4RAA) x 4 PCs.
- Available for wide applications: water in aquarium, swimming, hot tub/bathrooms, food processing, photography laboratory, quality control, school & colleges, swimming pools, water condition.

GENERAL SPECIFICATION

Display	V.L.D., size : 20 mm x 20 mm
Measurement	<ul style="list-style-type: none"> • Conductivity (μS) • Hardness (ppm) • Temperature ($^{\circ}C$, $^{\circ}F$)
Range	Conductivity : 2000 μS Hardness : 1,000 ppm
Accuracy	± 0.5% ($\pm 1 \text{ d}$) ± 0.5 / Full scale
Temperature Compensation	Automatic from 0 to 40 $^{\circ}C$ (32 to 100 $^{\circ}F$) with temperature compensation factor variable between 0 to 5.0% per $^{\circ}C$.
Electrode Type	Pt-glass electrode for long life and low conductivity measurement.
Structure	
Data Hold	Freeze the display reading.
Memory Recall	Maximum & Minimum value.
Sampling Time	Approx. 0.5 second.
On/Off	Custom on/off of temperature LCD screen. Auto off of screen timing 10 or manual off by push button. • Power off automatically after 10 min. if no button or power.
Operating Temperature	0 to 50 $^{\circ}C$ (32 to 140 $^{\circ}F$).
Operating Humidity	Less than 80% RH.
Power Supply	DC 1.5V battery (UM4RAA) x 4 PCs.
Power Consumption	Approx. 0.7 mW.

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

Dimensions	190 x 40 x 40 mm (7.5 x 1.6 x 1.6 inch)
Weight	175 g (0.39 lb)
Standard	Instruction Manual : 1 PC
Accessories	Pt-glass Probe : CDH-04 : 1 PC
Optional	* Soft carrying case with strap
Accessories	[270 x 40 x 10 mm] : Model : CD-02A * Hard carrying case [280 x 190 x 30 mm] : Model : CD-03 * 1.5V (40) Duracell® battery : Sanyo, Model : CD-14A

ELECTRICAL SPECIFICATIONS (25 ± 0.5 $^{\circ}C$)

Conductivity

Range	Measurement	Resolution	Accuracy
2000 μS	0 to 2000 μS	1 μS	± 0.5% ($\pm 1 \text{ d}$) ± 10 ± 0.5 / Full scale
* Auto range * Temperature Compensation Automatic from 0 to 40 $^{\circ}C$ (32 to 100 $^{\circ}F$) with temperature compensation factor variable between 0 to 5.0% per $^{\circ}C$. * μS : micro Siemens. * 25 $^{\circ}C$.			

HARDNESS (ppm)

Range	Measurement	Resolution	Accuracy
1,000 ppm	0 to 1,000 ppm	1 ppm	± 0.5% ($\pm 1 \text{ d}$) ± 10 ± 0.5 / Full scale
* Auto range * Temperature Compensation Automatic from 0 to 40 $^{\circ}C$ (32 to 100 $^{\circ}F$) with temperature compensation factor variable between 0 to 5.0% per $^{\circ}C$. * ppm : parts per million* (Ca^{++}) * 25 $^{\circ}C$.			

Notes:

General the following table describes the water hardness measurement.

Conductivity (μS)	Hardness (ppm)	Water Hardness
0-100	0-25	Very Soft
100-200	25-50	Soft
200-300	50-75	Slightly Hard
300-400	75-100	Medium Hard
400-500	100-125	Hard
Above 500	Above 125	Very Hard

Temperature

Function	Measuring Range	Resolution	Accuracy
$^{\circ}C$	0 $^{\circ}C$ to 50 $^{\circ}C$	0.1 $^{\circ}C$	± 0.5 $^{\circ}C$
$^{\circ}F$	32 $^{\circ}F$ to 140 $^{\circ}F$	0.1 $^{\circ}F$	± 0.5 $^{\circ}F$
* ± 0.25 $^{\circ}C$.			

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