

Pen type, all in one, IP-67

# PURE WATER METER

Model : PWA-301

ISO-9001, CE, IEC1010

[www.yalab.com.tw](http://www.yalab.com.tw)

02-2389-0101



**Lutron**

[www.YaLAB.com.tw](http://www.YaLAB.com.tw)

*The Art of Measurement*

Pen type, all in one, IP-67

# PWA-301 PURE WATER METER

<b>FEATURES</b>	
* The quality of the water is getting much more concerned by the human being and it also an important factor in the industrial sectors, laboratories or other fields.	
* In industrial sectors, it would be a great help for the quality of the products if using the good water ( more pure water ) in the process.	
* It may cause several diseases if home drink water existing high conductivity & contain impurities, the Pure Water Tester ( Water Quality Tester) are designed to check the purity of water (water conductivity) also can determinethe condition of the " Water Filter " easily and rapidly.	
* The tester is used to measure the conductivity value ( ranging from 0 - 1,999 uS) which can therefore judge whether water is pure or not. The conductivity value will become lower if there is much less impurities existed in water ( for example, distilled water that its purity is higher than others will get a lower conductivity value of approx. < 10 uS ).	
* Many people always take many kinds of procedures on water treatment by install the different kinds of equipment, such as filter or purifier to improve the quality of water. However, most of people do not know whether the procedures or filter is effective and can con- tribute to the quality of water. General speaking, the impurities will be filtered out if the water process procedures attain the expected result, thus we can use this instrument to measure the conductivity value of purified water and to judge the effect of the filter (or water process procedures).	
* Application : Water conditioning. aquarium, food processing, photography, school, laboratory, industrial and quality control.	
* Check the condition of water filter.	
* Measurement range : 0 to 1,999 uS.	
* Pen type, meter with probe, all in 1, easy operation.	
* Carbon rod electrode for long life.	
* Build in temperature sensor, ATC ( auto temperature compensation ).	
* IP67, water proof and protection.	
* Data hold function for freezing the desired value.	
* Auto power off to save the battery life.	
* Records max. and min. value 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,	

<b>SPECIFICATIONS</b>	
Display	LCD, size : 20 mm x 28 mm.
Measurement	0 to 1999 uS. * uS - micro simens cm.
Resolution	1 uS.
Accuracy	± ( 3 % + 1 d ) F.S. * F.S. : full scale. * 23 ± 5 °C
Temperature Compensation	Automatic, 0 to 50 °C ( 32 to 122 °F ).
Probe Structure	Carbon rod electrode for long life.
Data Hold	Freeze the display reading.
Memory Recall	Maximum & Minimum value.
Sampling Time	Approx. 0.8 second.
Circuit	Custom one-chip of microprocessor LSI circuit.
Power off	Auto shut off saves battery life or manual off by push button. * Power will off automatically after 10 min., if no button be pressed.
Operating Temp.	0 to 50 °C ( 32 to 140 °F ).
Operating Humidity	Less than 80% RH.
Power Supply	DC 1.5V battery ( UM-4/AAA ) x 4 PCs.
Power Consumption	Approx. 5.7 mA.
Dimension	190 x 40 x 40 mm ( 7.5 x 1.6 x 1.6 inch ).
Weight	171 g/0.38 LB.
Standard Accessories	Instruction Manual..... 1 PC
Optional Accessories	* Soft carrying case with sash ( 210 x 80 x 50 mm ), Model : CA-52A * Hard carrying case ( 280 x 195 x 65 mm ), Model : CA-06 * 1.413 mS Conductivity Standard Solution, Model : CD-14A

\* Appearance and specifications listed in this brochure are subject to change without notice. PWA301+1612