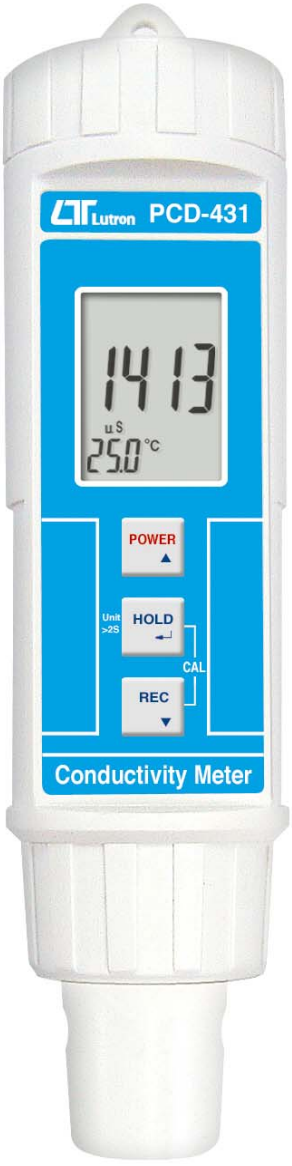
all in one

CONDUCTIVITY METER

Model : PCD-431

ISO-9001, CE, IEC1010



FEATURES

* 2 ranges : 2,000 uS, 20 mS.
* Temperature measurement, ℃/℉
* Automatic temperature compensation.
* Probe with the meter, all in one.
* Carbon rode electrode, high reliability.
* Data hold, Record (max., min.).
* IP-67 Water resistance, heavy duty.
* External calibration buttons.
* DC 1.5V battery (UM-4, AAA) x 4.

Lutron

LUTRON ELECTRONIC

The Art of Measurement

Pen type, all in one, IP-67

CONDUCTIVITY METER

Model : PCD-431

FEATURES

* All in one pen type conductivity meter provides fast, accurate readings with digital reading.
* Conductivity measurement (uS, mS) or TDS (Total Dissolved Solids, ppm) can be selected.
* Conductivity : Two ranges, 2,000 uS, 20.00 mS.
* TDS : Two ranges, 20,000 ppm, 2,000 ppm.
* Carbon rod electrode for long life.
* Build in temperature sensor, ATC (auto temperature compensation).
* Temperature measurement, ℃, ℉.
* IP67, water proof and protection.
* LCD with two displays show conductivity and Temp. value at same time.
* 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,
* 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.
Measurement	* Conductivity (uS, mS) * TDS (Total Dissolved Solids, ppm) * Temperature (℃,℉)
Ranges ** two ranges* ** auto range*	*Conductivity:* 2000 uS, 20.00 mS *TDS :* 2,000 ppm 20,000 ppm
Accuracy ** 23 ± 5 ℃*	± (2% FS + 1 d) ** FS : full scale*
Temperature Compensation	Automatic from 0 to 60 ℃ (32 - 140 ℉), with temperature compensation factor variable between 0 to 5.0% per C.
Conductivity 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 Temperature	0 to 50 ℃ (32 to 140 ℉).
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
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.*
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

ELECTRICAL SPECIFICATIONS (23± 5 ℃)

A. Conductivity

Range	Measurement	Resolution	Accuracy
2000 uS	2 to 2000 uS	1 uS	± (3% F.S.+1d)
20 mS	2 to 20.00 mS	0.01 mS	* F.S. - Full scale

** Auto range.*

** Temperature Compensation :*
Automatic from 0 to 60 ℃ (32 - 140 ℉), with temperature compensation factor variable between 0 to 5.0% per C.

** mS - milli Simens * uS - micro Simens * 23± 5℃*

B. TDS (Total Dissolved Solids)

Range	Measurement	Resolution	Accuracy
2,000 ppm	132 to 1,320 ppm	1 ppm	± (3% F.S.+1d)
20,000 ppm	1,320 to 13,200 ppm	10 ppm	* F.S. - Full scale

** Auto range.*

** Temperature Compensation :*
Automatic from 0 to 60 ℃ (32 - 140 ℉), with temperature compensation factor variable between 0 to 5.0% per ℃.

** ppm - parts per million * 23± 5℃*

C. Temperature

Function	Measuring Range	Resolution	Accuracy
℃	0 ℃ to 60 ℃	0.1 ℃	0.8 ℃
℉	32 ℉ to 140 ℉	0.1 ℉	1.5 ℉

@ 23± 5℃