

*pen type, all in one, IP-67*

# CONDUCTIVITY/TDS/SALT METER

**Model : PCD-433**

***ISO-9001, CE, IEC1010***



**Lutron**

**LUTRON ELECTRONIC**

***The Art of Measurement***

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# CONDUCTIVITY/TDS/SALT METER

Model : PCD-433

## FEATURES

* Pen type digital conductivity meter, all in one, easy for general purpose application.
* Build in temperature sensor, ATC ( auto temperature compensation ).
* 1.413 standard solution are standard accessories.
* Easy to change the conductivity electrode.
* IP67, water proof and protection.
* 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.

## General Specifications

Display	LCD, size : 20 mm x 28 mm. *With bar graph indicator.
Data Hold	Freeze the display reading.
Memory Recall	Maximum & Minimum value.
Sampling Time	Approx. 0.8 second.
CD Calibration	1.413 mS points
Circuit	Custom one-chip of microprocessor LSI circuit.
Operating Temperature	0 to 60 °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	186 x 40 x 32 mm ( 7.3 x 1.6 x 1.3 inch ).
Weight	131 g/0.36 LB (included electrode).
Power off	Auto power shut off to save battery life.
Standard Accessories	Instruction Manual..... 1 PC 1.413 uS buffer solution..... 1 PC
Optional Accessories	Hard carrying case, Model : CA-06 Soft carrying case, Model : CA-52A 1.413 mS buffer solution

## Electrical Specifications (23 ± 5 °C)

### A. CONDUCTIVITY

RANGE	Measurement	Resolution	Accuracy
2000 μS	2 to 2000 μS	1 μS	± (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 °C , with temperature compensation factor variable between 0 to 5.0% per°C  
\* mS -milli Simens \* μS - micro Simens \* 23 ± 5°C

### B. TDS ( Total Dissolved Solids )

RANGE	Measurement	Resolution	Accuracy
2000 ppm	1.32 to 1320 ppm	1 ppm	± (3% F.S. + 1d)
20000 ppm	1320 to 13200 ppm	10 ppm	*F.S. -Full scale

\* Auto range  
\* Temperature Compensation :  
Automatic from 0 to 60 °C , with temperature compensation factor variable between 0 to 5.0% per°C  
\* ppm - parts per milli \* 23 ± 5°C

### C. SALT

RANGE	Measurement	Resolution	Accuracy
12%	0.00 to 12.00 %	0.01%	± (0.5% F.S. + 1d)solt value

\* Auto range  
\* Temperature Compensation :  
Automatic from 0 to 60 °C , with temperature compensation factor variable between 0 to 5.0% per°C  
\* mS -milli Simens \* μS - micro Simens \* 23 ± 5°C

### D. Temperature

Function	Measurement	Resolution	Accuracy
°C	0 to 60 °C	0.1 °C	0.8 °C
°F	32 to 140 °F	0.1 °F	1.5 °F

\* 23 ± 5°C