

pen type, all in one, IP-67

CONDUCTIVITY/TDS/SALT METER

Model : PCD-433

ISO-9001, CE, IEC1010

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02-2389-0101



Pen type

auto temperature compensation

IP67, water proof and protection

CONDUCTIVITY

2 to 2000 μ S

2 to 20.00 mS

TDS (Total Dissolved Solids)

1.32 to 1320 ppm

1320 to 13200 ppm

SALT

0.00 to 12.00 %

Temperature

0 to 60 $^{\circ}$ C / 32 to 140 $^{\circ}$ F



Lutron

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The Art of Measurement

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CONDUCTIVITY/TDS/SALT METER

Model : PCD-433

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FEATURE

- * 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, hotoigraphy, laboratory, quality control, school & colleges, swimming pools, water conditions.

GENERAL SPECIFICATION

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)

CONDUCTIVITY

RANGE	Measurement	Resolution	Accuracy
2000 μS	2 to 2000 μS	1 μS	± (3% F.S . + 1d) *F.S. -Full scale
20 mS	2 to 20.00 mS	0.01 mS	
* Auto range			
* Temperature Compensation :			
* Automatic from 0 to 60 °C , with temperature comensation factor variable between 0 to 5.0% per°C			

* mS -milli Simens * μ S - micro Simens * $23 \pm 5^{\circ}\text{C}$

TDS (Total Dissolved Solids)

RANGE	Measurement	Resolution	Accuracy
2000 ppm	1.32 to 1320 ppm	1 ppm	$\pm (3\% \text{ F.S.} + 1\text{d})$
20000 ppm	1320 to 13200 ppm	10 ppm	*F.S. -Full scale
* Auto range * Temperature Compensation : Automatic from 0 to 60 $^{\circ}\text{C}$, with temperature comensation factor variable between 0 to 5.0% per $^{\circ}\text{C}$ * ppm - parts per milli * $23 \pm 5^{\circ}\text{C}$			

SALT

RANGE	Measurement	Resolution	Accuracy
12%	0.00 to 12.00 %	0.01%	$\pm (0.5\% \text{ F.S.} + 1\text{d})$ solt value *F.S. -Full scale
* Auto range * Temperature Compensation : Automatic from 0 to 60 $^{\circ}\text{C}$, with temperature comensation factor variable between 0 to 5.0% per $^{\circ}\text{C}$ * mS -milli Simens * μ S - micro Simens * $23 \pm 5^{\circ}\text{C}$			

Temperature

Function	Measurement	Resolution	Accuracy
$^{\circ}\text{C}$	0 to 60 $^{\circ}\text{C}$	0.1 $^{\circ}\text{C}$	0.8 $^{\circ}\text{C}$
$^{\circ}\text{F}$	32 to 140 $^{\circ}\text{F}$	0.1 $^{\circ}\text{F}$	1.5 $^{\circ}\text{F}$
* $23 \pm 5^{\circ}\text{C}$			

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

PCD-433+210830

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