# pen type, all in one, IP-67 CONDUCTIVITY/TDS/SALT METER

Model: PCD-433

*ISO-9001, CE, IEC1010* 





The Art of Measurement

pen type, all in one, IP-67

# CONDUCTIVITY/TDS/SALT METER Model : PCD-433

# FEATURES

#### Electrical Specifications (23 ± 5 °C)

#### A. CONDUCTIVITY

<ul> <li>Pen type digital conductivity meter, all in one, easy for general purpose application.</li> <li>Build in temperature sensor, ATC ( auto temperature compensation ).</li> <li>1.413 standard solution are standard accessories.</li> <li>Easy to change the conductivity electrode.</li> <li>Easy to change the conductivity electrode.</li> <li>IP67, water proof and protection.</li> <li>LCD with two displays and bar graph indicator.</li> <li>Data hold function for freezing the desired value.</li> <li>Auto power off.</li> <li>Records max. and min. value with recall.</li> <li>Microcomputer circuit, intelligent function, high accuracy.</li> <li>Compact size, light weight.</li> <li>Power supply by DC 1.5 V battery ( UM4/AAA ) x 4 PCs,</li> <li>Available for wide applications, such as aquarium, beverage, fish hatcheries, food processing, photography, laboratory, quality control, school &amp; colleges, swimming pools, water conditions.</li> </ul>		
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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 &		easy for general purpose application.
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photography, laboratory, quality control, school &	*	Available for wide applications, such as aquarium,
		beverage, fish hatcheries, food processing,
colleges, swimming pools, water conditions.		photography, laboratory, quality control, school &
		colleges, swimming pools, water conditions.

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.SFull scale
* Auto range	* 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 * $\mu$ S - 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.SFull scale
* Auto range			
* Temperature Compensation :			
Automatic from 0 to 60 °C , with temperature			
comensation factor variable between 0 to 5.0% per°C			
* ppm - parts per milli * 23 ± 5°C			

## C. SALT

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	RANGE	Measurement	Resolution	Accuracy	
٦	12%	0.00 to 12.00 %	0.01%	± (0.5% F.S. + 1d)solt value	
				*F.SFull scale	
٦	* Auto range	* Auto range			
	* Temperatu	* Temperature Compensation :			
	Automatic from 0 to 60 °C , with temperature				
	composition factor variable between 0 to 5.0% $pcr^{\circ}C$				

comensation factor variable between 0 to 5.0% per°C

\* mS -milli Simens \*  $\mu$ S - 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			

General Specifications
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Display	LCD, size : 20 mm x 28 mm.
	*With bar graph indicator.
Data Hold	Freeze the display reading.
Memory Recall	Maximum & Minimum value.
Sampling	Approx. 0.8 second.
Time	
CD	1.413 mS points
Calibration	
Circuit	Custom one-chip of microprocessor LSI
	circuit.
Operating	0 to 60 °C ( 32 to 140 °F ).
Temperature	
Operating	Less than 80% RH.
Humidity	
Power Supply	DC 1.5V battery ( UM-4/AAA ) x 4 PCs.
Power	Approx. 5.7 mA.
Consumption	
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	Instruction Manual 1 PC
Accessories	1.413 uS buffer solution 1 PC
Optional	Hard carrying case, Model : CA-06
Accessories	Soft carrying case, Model : CA-52A
	1.413 mS buffer solution