

# Digital Handheld Salt METER

Model : PSA-312

*ISO-9001, CE, IEC1010*



Laboratory Equipment Manufacturer  
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## FEATURES

* All in one pen type Salt meter provides fast, accurate readings with digital reading.
* Salt measurement ( % ).
* Salt measurement : 0 ~ 6.0 %.
* Temperature measurement : 0 ~ 100 °C
* Pt electrode for long life.
* Build in temperature sensor, ATC ( auto temperature compensation ).
* Temperature measurement, °C, °F.
* IP67, water proof and protection.
* LCD with two displays show Salt 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 ,beverage, food processing,laboratory, quality control,water conditions.

## General Specification

Display	LCD, size : 20 mm x 28 mm.
Measurement	* Salt ( % ) * Temperature
Salt Probe Structure	Pt 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.
Meter Operating Temperature	0 to 50 °C ( 32 to 140 °F ).
Meter 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 SALTPB-01..... 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.
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

## Electrical Specifications (23±5 °C)

### A. SALT

Measurement Ranges	* Salt ( % ) : 0 ~ 6.0 % Salt ( % weight ) * Temperature ( °C,°F ) : 0 ~ 100 °C
Resolution	Salt ( % ) : 0.1 % Solt
Accuracy ( 23 ±5 °C )	SALT: 0 ~ 2.0% Salt : ( ± 0. 2 ) 3.1 ~ 6.0% Salt : ( ± 0. 4 )

\* Above specification tests under the environment RF Field Strength less than 3 V/M & frequency less than 30 MHz only.

### B. Temperature

Function	Measuring Range	Resolution	Accuracy
°C	0 °C to 100 °C	0.1 °C	0.8 °C
°F	32 °F to 212 °F	0.1 °F	1.5 °F
* @ 23±5 °C			

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