Digital Refractometer Salinity MA-887

Code: MA-887 HSN: 90275020 GST: 18% Brand: AVAIN LABS









AVAIN LABS® Digital Refractometer Salinity MA-887

The AVAIN LABS® MA-887 Digital Salinity Refractometer is an essential precision instrument designed for quick, accurate salinity analysis in saltwater systems, aquaculture, marine biology, and industrial applications. Offering multi-unit compatibility (PSU, PPT, and Specific Gravity), this handheld digital tester eliminates manual scale interpretations by providing clear readings in just 1.5 seconds.

Equipped with Automatic Temperature Compensation (ATC), the MA-887 guarantees accurate measurements across changing environmental temperatures with only a small liquid sample.

Key Features

- Multi-Scale Salinity Measurement: Supports PSU (Practical Salinity Units), PPT (Parts Per Thousand), and Specific Gravity (SG 20/20) for versatile applications.
- Rapid Response Time: Delivers fast and accurate results in just 1.5 seconds.
- Automatic Temperature Compensation (ATC): Ensures reliable readings across operational temperatures ranging from 10 to 40°C (50 to 104°F).
- Precision Optics: Powered by a stable Yellow LED light source.
- Minimal Sample Requirement: Requires a tiny sample volume of just 100 µL.
- Dual Display: Monitors sample temperature (°C/°F) and salinity parameters simultaneously.

Technical Specifications

Ideal Applications

- Aquaculture & Fisheries: Monitoring salinity levels in fish farms, hatcheries, and shrimp ponds.
- Marine Aquariums & Reef Tanks: Essential tool for saltwater aquarium enthusiasts and coral reef maintenance.
- Oceanography & Research: Environmental testing in brackish waters, estuaries, and oceanographic labs.
- Food Processing: Salt concentration management in food production and brine solution preparation.

Specifications	
Measuring Range	Salinity: 0 to 50 PSU / 0 to 150 PPT / 1.000 to 1.114 SG (20/20) Temperature: 0 to 80°C / 32 to 175°F
Resolution	Salinity: 1 PSU / 1 PPT / 0.001 SG Temperature: 0.1°C / 0.1°F
Accuracy	Salinity: ±2 PSU / ±2 PPT / ±0.002 SG Temperature: ±0.3°C / ±0.5°F
Light Source	Yellow LED
Measurement Time	1.5 seconds
Automatic Temp. Compensation (ATC)	10 to 40°C / 50 to 104°F
Sample Volume	100 µL
Power Source	1 x 9 V battery (9F22)

Available models (3)

Cat. No.	Model / Size	Size	Measurin...	Resolution	Accuracy	Light sou...	Measure...	HSN
MA-887-S1		Small						90275020
MA-887-S2		Large						90275020

MA-887	0 to 50 PSU-0 to 150 PPT 1.000 to 1.114 SG (20-20) 0 to 80°C-32 to 175°F, 1 PSY-1 PPT-0.001 SG 0.1°C-0.1°F, ±2 PSU-±2 PPT-±0.002 SG ±0.3°C-±0.5°F, Yel	0 to 50 PSU-0 to 150 PPT 1.000 to 1.114 SG (20-20) 0 to 80°C-32 to 175°F	1 PSY-1 PPT-0.001 SG 0.1°C-0.1°F	±2 PSU-±2 PPT-±0.002 SG ±0.3°C-±0.5°F	Yellow LED	1.5 sec	90275020