



# PRODUCT DATA SHEET

## SPR-511 pH/Conductivity/TDS/Salinity Meter

### Technical Specifications

pH Measurement	Range: 0.00 – 14.00 pH; Accuracy: $\pm 0.01$ pH typical
pH Resolution	0.01 pH
pH Calibration	Multi-point calibration with auto-buffer recognition
pH Reference Junction	Permanent gel, non-refillable
Conductivity Range	0.0 – 199.9 $\mu$ S; 200 – 1999 $\mu$ S; 2.00 – 19.99 mS
Conductivity Accuracy	$\pm 1\%$ of full scale
TDS Range	0.0 – 99.9 ppm/mg/L; 100 – 999 ppm/mg/L; 1.00 – 9.99 g/L (ppt)
Salinity Range	0.0 – 99.9 ppm; 100 – 999 ppm; 0.00 – 9.99 ppt
TDS Conversion Factor	Adjustable from 0.40 to 1.00
Salinity Conversion Ratio	Auto-select between 0.40 and 0.60
Temperature Compensation	Conductivity ATC range: 0°C – 60°C (32°F – 140°F); Coefficient: 2.0% / °C
Temperature Range	0°C – 90°C (32.0°F – 194°F)
Temperature Resolution	0.1°C / 0.1°F
Display	2000 count LCD with bar graph
Power Supply	Not specified (typically 3 x AAA or similar)
Operating Environment	Indoor use only
Approvals	CE Marked

### Features

- Multi-Parameter Measurement : Measures pH, conductivity, TDS, salinity, and temperature.
- Automatic Temperature Compensation (ATC) : Ensures accurate readings across varying temperatures.
- High Accuracy :  $\pm 0.01$  pH,  $\pm 1\%$  full scale for conductivity.
- Multiple Calibration Options : Supports multi-point pH calibration and automatic recognition of standard buffer solutions.
- Large LCD Display : Includes bar graph for real-time trend monitoring.
- Durable Electrode : Built-in replaceable pH electrode and conductivity sensor.
- Battery-Powered Operation : Compact and portable for field use.
- User-Friendly Interface : Simple push-button controls with clear on-screen indicators..



### General Specifications

The SPR-511 is a versatile and portable digital meter designed to measure pH, conductivity, total dissolved solids (TDS), and salinity in water and aqueous solutions. With automatic temperature compensation (ATC) and a large LCD display with bar graph, this meter provides accurate and reliable readings for environmental monitoring, water treatment, aquaculture, hydroponics, and laboratory applications.

### Ordering Information

SPR-511: pH/Conductivity/TDS/Salinity Meter

### GET IN TOUCH

E-MAIL : [info@spartna.com](mailto:info@spartna.com)

PHONE : +971547796588

WEB SITE : [WWW.SPARTNA.COM](http://WWW.SPARTNA.COM)

