

## TECHNICAL DATA



### Specifications

#### Conductivity

Measuring Range: 200 $\mu$ S/cm, 2mS/cm,  
20mS/cm, 200mS/cm

Accuracy:  $\pm(2\% + 1 \text{ dgt})$

Resolution: 0.1 $\mu$ S, 0.001mS, 0.01mS, 0.1mS

#### TDS (Total Dissolved Solids)

Measuring Range: 200, 2000, 20,000, 200,000 ppm

Accuracy: 0.1, 1, 10, 100 ppm

Resolution:  $\pm(2\% + 1 \text{ dgt})$

#### Salinity

Measuring Range: 0 to 12% (% weight)

Accuracy:  $\pm 0.5\%$

Resolution: 0.0001

### Features

- Measures conductivity, total dissolved solids (TDS) and salt levels in water
- Automatic temperature compensation
- Real time datalogger with integral SD memory card (optional)
- User selectable sampling rate
- Large, easy-to-read backlit LCD display
- Data hold and Min/Max functions
- Optional PC software features live tracking via USB connection
- Tripod mount for long-term monitoring
- Low battery indicator and auto shut off
- Includes probe, hard carrying case, and batteries



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### General Specifications

Display:	Dual Display, LCD
Backlit Display:	Yes
Data Hold:	Yes
Min:	Yes
Max:	Yes
Datalogging Capabilities:	Yes
Real-Time Clock and Date Stamp:	Yes
Sampling Rate:	Yes (1, 2, 5, 10, 30, 60, 120, 300, 600, 1800, 3600s)
External Memory:	Yes, expandable up to 16Gb with SD card (optional)
Auto Shut-off:	Yes (after 10 minutes/off)
Kick Stand:	Yes
Tripod Mountable:	Yes
Low Battery Indicator:	Yes
Power Supply:	6 x AA batteries or AC Adapter (optional)
Output:	Yes
Battery Life:	Sampling Time Dependent
PC Connectivity:	USB Cable (optional)
Software:	SW-U801-WIN (optional)
Software OS Compatibility:	Windows XP/Vista/7
Product Certifications:	CE
Operating Temperature:	Meter: 32 to 122°F (0 to 50°C) Probe: 32 to 140°F (0 to 60°C)
Storage Temperature:	14 to 140°F (-10 to 60°C)
Operating Humidity:	10 to 80%
Dimensions:	7 x 2.7 x 1.9" (177 x 68 x 45mm)
Weight:	1.1lb (515g)



Model	Description
<b>SD-4307</b>	Data Logging Conductivity/TDS/Salinity Meter
<b>R3100SD-PROBE</b>	Replacement Probe for SD-4307
<b>SD-4GB</b>	4GB SD Memory Card
<b>USB-01</b>	USB Cable
<b>SW-U801-WIN</b>	Data Acquisition Software
<b>AP-9VA-110V</b>	AC Adapter
<b>R1430</b>	Conductivity Standard Solution, 1413µs
<b>R1500</b>	Lightweight Tripod
<b>CA-05A</b>	Soft Carrying Case
<b>R8888</b>	Hard Carrying Case
<b>SD-4307-NIST</b>	Data Logging Conductivity/TDS/Salinity Meter & NIST