

### Features

- Measures conductivity, total dissolved solids (TDS) and salt levels in water
- Automatic temperature compensation
- Real time datalogger with integrated SD memory card
- User selectable sampling rate
- Easy-to-read backlit LCD display
- Data hold and Min/Max functions
- Tripod mount for long-term monitoring
- Low battery indicator and auto shut off
- Includes conductivity/TDS/salinity probe, hard carrying case & batteries

### Specifications

#### Conductivity

Measuring Range:	200 $\mu$ S/cm, 2mS/cm, 20mS/cm, 200mS/cm
Accuracy:	$\pm$ (2%FS +1 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:	$\pm$ (2%FS +1 dgt)
Resolution:	0.1, 1, 10, 100 ppm

#### Salinity

Measuring Range:	0 to 12% (% weight)
Accuracy:	$\pm$ 0.5% salt
Resolution:	0.01% salt
Temperature:	Measuring Range: 32 to 140°F (0 to 60°C) Accuracy: $\pm$ 1.5°F ( $\pm$ 0.8°C) Resolution: $\pm$ 0.1°F ( $\pm$ 0.1°C)



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## TECHNICAL DATA

### 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 second to 8 hours, 59 minutes and 59 seconds)
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)
Data Output:	Yes (RS-232)
Battery Life:	Sampling Time Dependent
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 Range:	10 to 80%
Dimensions:	7 x 2.7 x 1.9" (177 x 68 x 45mm)
Weight:	1.1lb (515g)



### R3100SD-KIT

Data Logging Conductivity/TDS/Salinity Meter with SD Card, Power Adapter and Solution

Includes:  
R3100SD Data Logging Conductivity/  
TDS/Salinity Meter, RSD-16GB  
16GB Micro SD Memory Card  
with adapter, RSD-ADP-NA Power  
Adapter and R1430 Conductivity  
Standard Solution



Model	Description
<b>R3100SD</b>	Data Logging Conductivity/TDS/Salinity Meter
<b>R3100SD-PROBE</b>	Replacement Probe for R3100SD
<b>R1430</b>	Conductivity Standard Solution, 1413µs, 500ml
<b>R1500</b>	Tripod
<b>RSD-ADP-NA</b>	Power Supply, 110V
<b>RSD-ADP-EU</b>	Power Supply, 220V
<b>CA-05A</b>	Soft Carrying Case
<b>R8888</b>	Hard Carrying Case
<b>SD-4GB</b>	4GB Class 4 SDHC Memory Card
<b>RSD-16GB</b>	16GB Micro SD Memory Card w/Adapter
<b>R3100SD-KIT</b>	Data Logging Conductivity/TDS/Salinity Meter with SD Card, Power Adapter and Solution
<b>R3100SD-NIST</b>	Data Logging Conductivity/TDS/Salinity Meter with NIST