

### Data Logging Conductivity/ TDS/Salinity Meter Model R3100SD





TECHNICAL DATA

# 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: 200µS/cm, 2mS/cm,

20mS/cm, 200mS/cm

Accuracy:  $\pm (2\%FS + 1 \text{ dgt})$ Resolution:  $0.1\mu\text{S}, 0.001\text{mS},$ 

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: O to 12% (% weight)

Accuracy: ±0.5% salt Resolution: 0.01% salt

Temperature: Measuring Range: 32 to 140°F

(O to 60°C)

Accuracy: ±1.5°F (±0.8°C) Resolution: ±0.1°F (±0.1°C)



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## Data Logging Conductivity/ TDS/Salinity Meter

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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

(O to 50°C)

Probe: 32 to 140°F (O 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
R3100SD	Data Logging Conductivity/TDS/Salinity Meter
R3100SD-PR0BE	Replacement Probe for R3100SD
R1430	Conductivity Standard Solution, 1413µs, 500ml
R1500	Tripod
RSD-ADP-NA	Power Supply, 110V
RSD-ADP-EU	Power Supply, 220V
CA-05A	Soft Carrying Case
R8888	Hard Carrying Case
SD-4GB	4GB Class 4 SDHC Memory Card
RSD-16GB	16GB Micro SD Memory Card w/Adapter
R3100SD-KIT	Data Logging Conductivity/TDS/Salinity Meter with SD Card, Power Adapter and Solution
R3100SD-NIST	Data Logging Conductivity/TDS/Salinity Meter with NIST