

# **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:  $\pm(2\%FS + 1 dgt)$ 0.1µS, 0.001mS, Resolution:

0.01mS, 0.1mS

#### TDS (Total Dissolved Solids)

Measuring Range: 200. 2000. 20 000.

200 000 ppm

Accuracy:  $\pm(2\%FS + 1 dgt)$ 

Resolution: O.1, 1, 10, 100 ppm

Salinity

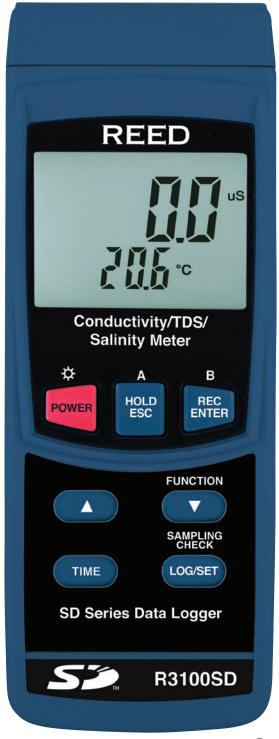
Measuring Range: O to 12% (% weight)

±0.5% salt Accuracy: 0.01% salt Resolution:

Temperature: Measuring Range: 32 to 140°F

(O to 60°C)

Accuracy:  $\pm 1.5^{\circ}F$  ( $\pm 0.8^{\circ}C$ ) Resolution: ±0.1°F (±0.1°C)



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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 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:** 

Operating Temperature: Meter: 32 to 122°F

(O to 50°C)

Probe: 32 to 140°F (O to 60°C)

14 to 140°F (-10 to 60°C) Storage Temperature:

Operating Humidity Range: 10 to 80% Dimensions: 7 x 2.7 x 1.9"

(177 x 68 x 45mm)

Weight: 1.1lb (515g)



Standard Solution

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









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