

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

 $\begin{array}{ll} \mbox{Accuracy:} & \pm (2\% \mbox{FS} + 1 \mbox{ dgt}) \\ \mbox{Resolution:} & \mbox{O.1} \mbox{μS}, \mbox{ O.001} \mbox{mS}, \\ \end{array}$

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

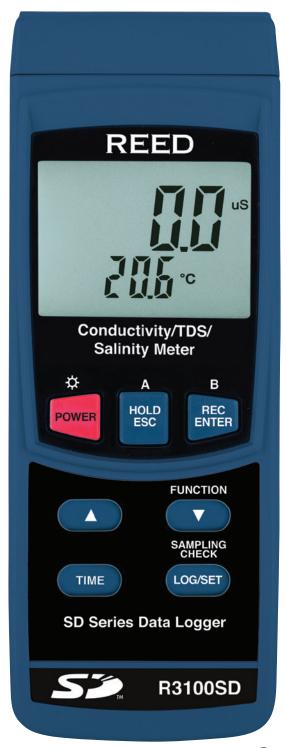
Measuring Range: O to 12% (% weight)

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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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

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 |