

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

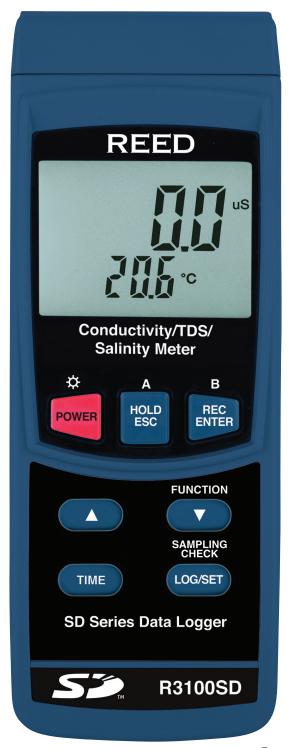
Measuring Range: O to 12% (% weight)

 $\begin{array}{ll} \mbox{Accuracy:} & \pm 0.5\% \mbox{ salt} \\ \mbox{Resolution:} & 0.01\% \mbox{ salt} \\ \end{array}$

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

Dual Display, LCD Display:

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)

Yes, expandable up to 16GB External Memory:

with SD card (optional)

SD Card Class

Compatibility: Class 4

Yes (after 10 minutes/off) Auto Shut-off:

Kick Stand: Tripod Mountable: Yes Low Battery Indicator: Yes

Power Supply: 6 x AA batteries or

AC Adapter (optional)

Yes (RS-232) Data Output:

Battery Life: Sampling Time Dependent

Product Certifications: CE

Meter: 32 to 122°F Operating Temperature:

(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)

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