REED INSTRUMENTS

Data Logging Conductivity/TDS/Salinity Meter
Model R3100SD

TRACEABLE CERTIFICATION AVAILABLE!

1 YEAR WARRANTY

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:	±(2%FS +1 dgt)
Resolution:	0.1µS, 0.001mS, 0.01mS, 0.1mS

TDS (Total Dissolved Solids)

Measuring Range:	200, 2000, 20 000, 200 000 ppm
Accuracy:	±(2%FS +1 dgt)
Resolution:	0.1, 1, 10, 100 ppm

Salinity

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

REED

0.0 uS
20.6 °C

Conductivity/TDS/Salinity Meter

POWER · A HOLD ESC · B REC ENTER

FUNCTION ▲ ▼

SAMPLING CHECK

TIME · LOG/SET

SD Series Data Logger

R3100SD

Continued...

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)
SD Card Class Compatibility:	Class 4
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
R3100SD	Data Logging Conductivity/TDS/Salinity Meter
R3100SD-PROBE	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