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:

Accuracy: Resolution: 200µS/cm, 2mS/cm, 20mS/cm, 200mS/cm ±(2%FS +1 dgt) 0.1µS, 0.001mS, 0.01mS, 0.1mS

#### TDS (Total Dissolved Solids)

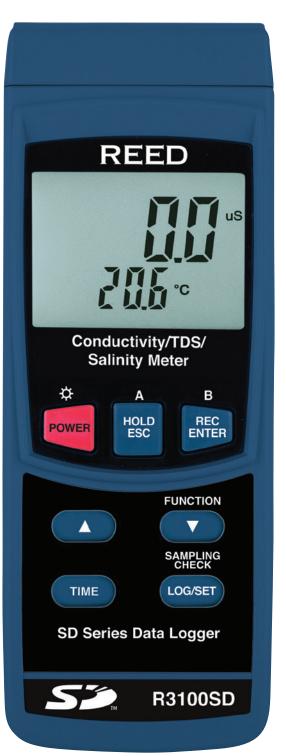
Measuring Range:

Accuracy:

Resolution: **Salinity** 

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

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



Continued...

## 1.800.561.8187



# information@itm.com

Data Logging Conductivity/ TDS/Salinity Meter

Model R3100SD

Yes, expandable up to 16GB

Yes (after 10 minutes/off)

Sampling Time Dependent

Probe: 32 to 140°F (O to 60°C) 14 to 140°F (-10 to 60°C)

with SD card (optional)

6 x AA batteries or AC Adapter (optional)

Meter: 32 to 122°F

Yes (RS-232)

(O to 50°C)

10 to 80%

7 x 2.7 x 1.9" (177 x 68 x 45mm)

1.1lb (515g)

Yes

Yes

Yes

CE



### 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:

Auto Shut-off: Kick Stand: Tripod Mountable: Low Battery Indicator: Power Supply:

Data Output: Battery Life: Product Certifications: Operating Temperature:

Storage Temperature: Operating Humidity Range: Dimensions:

Weight:

### 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

### 1.800.561.8187



## information@itm.com