

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: | 200 μ S/cm, 2mS/cm, 20mS/cm, 200mS/cm |
| Accuracy: | \pm (2%FS +1 dgt) |
| Resolution: | 0.1 μ S, 0.001mS, 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: | 0 to 12% (% weight) |
| Accuracy: | \pm 0.5% salt |
| Resolution: | 0.01% salt |
| Temperature: | 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) |



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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) |
| 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 |