

## TECHNICAL DATA



### Specifications

#### Conductivity

Measuring Range: 200 $\mu$ S/cm, 2mS/cm, 20mS/cm, 200mS/cm

Accuracy:  $\pm(2\% + 1 \text{ dgt})$

Resolution: 0.1 $\mu$ S, 0.001mS, 0.01mS, 0.1mS

#### TDS (Total Dissolved Solids)

Measuring Range: 200, 2000, 20,000, 200,000 ppm

Accuracy: 0.1, 1, 10, 100 ppm

Resolution:  $\pm(2\% + 1 \text{ dgt})$

#### Salinity

Measuring Range: 0 to 12% (% weight)

Accuracy:  $\pm 0.5\%$

Resolution: 0.0001

### Features

- Measures conductivity, total dissolved solids (TDS) and salt levels in water
- Automatic temperature compensation
- Real time datalogger with integral SD memory card (optional)
- User selectable sampling rate
- Large, easy-to-read backlit LCD display
- Data hold and Min/Max functions
- Optional PC software features live tracking via USB connection
- Tripod mount for long-term monitoring
- Low battery indicator and auto shut off
- Includes probe, hard carrying case, and batteries



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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<br>and Date Stamp: | Yes                                                              |
| Sampling Rate:                     | Yes (1, 2, 5, 10, 30, 60, 120,<br>300, 600, 1800, 3600s)         |
| External Memory:                   | Yes, expandable up to<br>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<br>AC Adapter (optional)                     |
| Output:                            | Yes                                                              |
| Battery Life:                      | Sampling Time Dependent                                          |
| PC Connectivity:                   | USB Cable (optional)                                             |
| Software:                          | SW-U801-WIN (optional)                                           |
| Software OS Compatibility:         | Windows XP/Vista/7                                               |
| Product Certifications:            | CE                                                               |
| Operating Temperature:             | Meter: 32 to 122°F (0 to 50°C)<br>Probe: 32 to 140°F (0 to 60°C) |
| Storage Temperature:               | 14 to 140°F (-10 to 60°C)                                        |
| Operating Humidity:                | 10 to 80%                                                        |
| Dimensions:                        | 7 x 2.7 x 1.9"<br>(177 x 68 x 45mm)                              |
| Weight:                            | 1.1lb (515g)                                                     |



| Model                | Description                                         |
|----------------------|-----------------------------------------------------|
| <b>SD-4307</b>       | Data Logging Conductivity/TDS/Salinity Meter        |
| <b>R3100SD-PROBE</b> | Replacement Probe for SD-4307                       |
| <b>SD-4GB</b>        | 4GB SD Memory Card                                  |
| <b>USB-01</b>        | USB Cable                                           |
| <b>SW-U801-WIN</b>   | Data Acquisition Software                           |
| <b>AP-9VA-110V</b>   | AC Adapter                                          |
| <b>R1430</b>         | Conductivity Standard Solution, 1413µs              |
| <b>R1500</b>         | Lightweight Tripod                                  |
| <b>CA-05A</b>        | Soft Carrying Case                                  |
| <b>R8888</b>         | Hard Carrying Case                                  |
| <b>SD-4307-NIST</b>  | Data Logging Conductivity/TDS/Salinity Meter & NIST |