

# Water Quality Monitoring System

## In-Situ RuggedReader™

Introducing the RuggedReader™ from In-Situ. The RuggedReader is a new, ultra-rugged PDA for use with the Multi-Parameter TROLL 9000 and miniTROLL monitoring systems. As the most rugged reader on the market, it can withstand the worst monitoring conditions. So go ahead, perform at your best anywhere!

### Fully Sealed Design

When you're monitoring in the field, things can get wet! No worry since the Rugged Reader's internal components are fully sealed and protected in case of accidental immersion.

### Large Sunlight-Readable Display

The reflective color display is bright and clear in sunlight and includes adjustable LED illumination for indoor and low-light conditions. The efficient design allows for all-day use, even with the display light on maximum intensity.

### Lightweight and Easy to Hold

The RuggedReader weighs just 17 ounces (0.48 KG), with a rounded shape that comfortably fits in your hand.

### Easy Data Transfer

Both a 9-pin serial RS-232 and USB ports allow for flexible computer connections.



### CompactFlash® Expansion Slots

Two CompactFlash® slots provide additional storage to suit different applications or room for GPS or Bluetooth cards.

### Modular Components

Modular components protect the unit against damage from drops, and are replaceable. The PowerBoot Module™ provides all-day operation.

### Integrated Speaker

A front-mounted speaker provides great clarity and volume.

### Easy-to-Use Keypad

Large, tactile buttons are generously spaced for easy access—even with gloves!

## Works with Pocket-Situ 4.0 Software

### Features

- Intuitive tree organization of instruments, parameters and tests
- Convenient readouts display remaining memory and battery voltage
- Take instant readings
- View graphs or reports
- Convenient wizards guide every operation
- Achieve maximum accuracy with compensation for gravitational acceleration and fluid density
- Easy-to-read icons display status of tests
- 'Smart' data download feature only downloads new data, saving you time
- Select your choice of units for most measurements
- Assign a unique name to each logger in a network.

### Test Types

Pocket Situ's flexible test modes allow for quick test configurations. Four types of tests are available:

- **Linear** - Measurements are evenly spaced over time, at intervals from 0.5 seconds to one week depending on device type.
- **Linear Average Sampling** - Filters out turbulence by recording the mean of multiple, closely spaced measurements. This is an option when measuring pressure and temperature with a miniTROLL or TROLL 9000.
- **Logarithmic** - This test type begins by taking probe measurements as fast as possible. These sampling rate gradually slows at a logarithmically decaying rate.
- **Event Sampling** - Event based tests are much like linear schedules with one important difference: The probe is measured at a user defined interval, but measurements are stored to memory only if they exceed the user defined value.

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