

Water Quality Monitoring System

In-Situ RuggedReader® Handheld PC

Collect, store, analyze, and transfer data using the versatile RuggedReader Handheld PC. When connected to In-Situ® Inc.'s water level or water quality instruments, the RuggedReader Handheld PC functions as a reliable, easy-to-use data management system. Durable construction stands up to regular field use and harsh conditions.

FEATURES & BENEFITS

- With Win-Situ® Mobile Software, you can view and log data in real time, set up tests, download data, calibrate sensors, and view calibration reports.
- You can communicate with several In-Situ instruments:
 - AquaTROLL® 100/200
 - Level TROLL® 300/500/700
 - Rugged TROLL® 100/200
 - TROLL® 9500.
- Microsoft® Windows® Mobile® 6 and Microsoft Office Mobile are included.
Or upload software that you regularly use on the job.
- IP67-rated construction protects against dust, rain, and accidental submersion.
- High-visibility, color LCD allows for easy viewing in all weather and lighting conditions.
- Intelligent lithium-ion battery operates for a full workday on one charge and cannot be overcharged.
- Intel® 520 MHz processor offers fast navigation and processing.
- Internal solid-state flash disk (512 MB) secures internal storage of data and applications.
- Low-power, 128 MB RAM provides additional memory for integrating GPS or Bluetooth® Wireless Technology with two user-accessible expansion slots (CF or SD).
- Integrated Bluetooth® Wireless Technology option has a range of 20 m (65 ft.).



- **Wireless communications**
- **Waterproof, shockproof, and dustproof**
- **Intuitive Win-Situ Mobile Software interface**
- **Field computer compatible with In-Situ water level and water quality instruments**

CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.

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Water Quality Monitoring System

In-Situ RuggedReader® Handheld PC

SPECIFICATIONS

Processor

- Intel® XScale® PXA270, 520 MHz

Operating System

- Microsoft Windows Mobile® 6 Operating System with tutorial

Memory (RAM)

- 128 MB low-power RAM

Data Storage

- Internal solid-state 512 MB flash
- Data and applications securely stored in flash.
- Non-volatile; protected from accidental erasure

Physical

- Size: 6.5" length x 3.5" width x 1.7" height (16.5 x 8.9 x 4.3 cm)
- Weight: 17 ounces (482 grams) with battery
- Magnesium case with impact absorbing overmold

Environmental

- Operating Temperature: -22° to 122°F (-30° to 50°C)
- Storage Temperature: -22° to 140°F (-30° to 60°C)
- Battery charging temperature: 32° to 104°F (0° to 40°C)
- IP-67 waterproof and dust-proof
- Shockproof: multiple drops from 5 ft. (1.5 m) onto concrete through temperatures ranging from -22° to 122°F (-30° to 50°C)
- MIL-STD-810F: water, humidity, sand and dust, vibration, altitude, shock, and temperature

High Contrast Color Display & Touchscreen

- Active viewing area: 8.9 cm (3.5 in) QVGA (240 x 320 pixels); portrait or landscape view
- High visibility active matrix TFT transfective backlit LCD
- Sealed, resistive, pressure sensitive

CF and SD Card Slots

- Compact Flash: Type I or Type II for data storage and other peripherals.
- Secure digital (SD or SDIO) can be used with memory cards and other peripherals. SD/SDHC, SDIO supported.
- User accessible, fully sealed
- Optional extended cap for camera, GPS, cellular modems, barcode scanner, and other expansion cards.

Wireless Communication Options

- Integrated Bluetooth® or Bluetooth®-supported with CF or SDIO
- Wi-Fi supported (requires SD or CF Wi-Fi adapter card for wireless networking)
- Wireless cellular modem supported for wide area communication (requires CF modem card)

Communications Module

- COM 1: RS232 serial 9-pin connector with 5 VDC @ 200 mA on DTR pin 4
- USB host (Mini A) can control other devices
- USB client (Mini B) synchronizes information to other computers
- 12V DC jack for power input and battery charging (wall mount or vehicle charger)

Software Included

- Win-Situ® Mobile, Pocket-Situ, Win-Situ® Sync
- Microsoft® Internet Explorer® Mobile
- Microsoft® Office Mobile: Word®, Excel®, and PowerPoint® Mobile
- Microsoft® Outlook® Mobile
- Microsoft® ActiveSync® 4.5 for desktop or laptop computer
- Terminal Services Client (can control your desktop)
- Microsoft® Windows® Media Player 10 Mobile
- Calculator, pictures, videos (image and video viewer), and games
- Voice recorder
- Handwriting recognition

Standard Accessories

- Rechargeable, intelligent Li-ion battery, 14 W-hr (nom.)
- Screen protector (1); captured full-size stylus (1)
- AC charger (universal voltage); universal plugs (US, UK, EU, and Aus)
- In-Situ® Quick Start Guide
- USB synch cable
- Microsoft CD-ROM; In-Situ® Software CD
- Hand strap
- Car charger
- Communications connector cover

Enunciators

- External power/charge LED indicates battery charging status
- Notification LED to alert the user of events on the device

Certifications

- FCC Class B; European CE Mark; EN60950; RoHS compliant; FM Approved Class I, Div. 2

Real Time Clock

- Keeps correct date and time, even during long-term battery removal
- ±3 min. per 30 days

Warranty

- 1 year limited warranty

ActiveSync, Excel, Internet Explorer, Microsoft, Outlook, PowerPoint, Vista, Windows, Windows Mobile, and Word are registered trademarks of Microsoft Corp.

Specifications are subject to change without notice.

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