



SMARTROLL™ Multiparameter Handheld

Hold the future of dissolved oxygen monitoring in your hand. The SMARTROLL Multiparameter (MP) Handheld combines industry-leading water quality sensors with revolutionary smartphone mobility. The intuitive VuSitu™ mobile app eliminates training time and runs on your Android™ device and the iSitu® mobile app runs on your iOS™ device.

The SMARTROLL Multiparameter (MP) Handheld quickly measures 14 parameters:

- **Chemical parameters:** Dissolved oxygen (optical sensor), actual conductivity, specific conductivity, pH, ORP, salinity, total dissolved solids, resistivity, and density.
- **Physical parameters:** Air and water temperature, barometric pressure, water level, and water pressure.

Simply connect the SMARTROLL MP Probe to a Battery Pack or Power Pack, launch the mobile app and start reading results. No warm-up time or tedious setup. The mobile app guides you through spot checks, calibrations, and data management.

Be Mobile

- **Use the SMARTROLL MP System anywhere:** Reduce field equipment requirements for routine monitoring from low-flow sampling events to aquaculture spot checks.
- **Instantly collaborate with colleagues:** Use a wired or wireless connection to send real-time snapshots of data.
- **Streamline data management:** Consolidate all site information on your smartphone and tag data with site photos and GPS coordinates. Log data to your smartphone and download results in a standard .csv file format.

Be Smart

- **Eliminate errors:** Smart sensors automatically recognize calibration solutions, store calibration data in the sensors, and perform diagnostics. Sensors are pre-calibrated at the factory with NIST™ traceable standards (where applicable).
- **Reduce maintenance:** Robust sensors stand up to field use and calibrations can last for months.
- **Get accurate results:** Smart sensor technology including automatic salinity and barometric pressure compensation.

Be In-Situ

- Receive **free** application guidance, 24/7 technical support, and mobile help in the field.
- Order supplies from the In-Situ website with your smartphone.
- Get guaranteed 7-day service for maintenance (U.S.A. only).

Applications

- Ambient water quality spot checking
- Aquaculture
- Vertical profiling
- Low-flow groundwater sampling
- Mine water monitoring
- Stormwater management

CALL OR CLICK TO PURCHASE

1-800-446-7488 (toll-free in U.S.A. and Canada)

1-970-498-1500 (U.S.A. and international)

WWW.IN-SITU.COM

General		SMARTROLL Multiparameter Handheld Instrument		
Operating temp.	-5 to 50° C (23 to 122° F)			
Storage temp.	-40 to 65° C (-40 to 149° F)			
Dimensions and weight	Dimensions: 4.7 cm (1.85 in.) OD x 26.9 cm (10.6 in.) with restrictor installed (does not include connector). Weight: 694 g (1.53 lbs)			
Wetted materials	PVC, 316 stainless steel, titanium, Acetal, Viton®, PC/PMMA			
Environmental rating	Probe: IP68 with all sensors and cable attached. IP67 with sensors removed and cable detached. Battery Pack: IP67 with battery cover closed. Power Pack: IP67			
Reading rate	1 reading every 10 seconds; data logged to a mobile device.			
Power	6 VDC from Battery Pack for iOS™; 5 VDC from power pack for Android™			
Interface	iOS: iPhone® 4S, iPod touch® 5, or iPad® 3, 4, mini or later; iOS 6.0 or later. BLE radio. Download the iSitu® App from the Apple® App Store. Used with iOS Battery Pack. Android: Android platform 4.4 (requires Bluetooth® 2.0). Download the VuSitu™ App from the Google Play™ store. Used with Android Power Pack.			
Cable	Black polyurethane. Standard lengths available: 1.5 m, 4.6 m, 9.1 m, 30.5m, 76.2m (5 ft, 15 ft, 30 ft, 100ft, 250ft)			
Standard Sensors	Accuracy	Range	Resolution	Units of Measure
Level, Depth, Pressure	Typical ±0.1% FS @ 15° C; ±0.3% FS max. from 0 to 50° C	76 m (250 ft); absolute (non-vented)	±0.01% FS or better	Pressure: psi, kPa, bar, mbar, mmHg, inHg Level: mm, cm, m, in., ft
Conductivity	Typical ±0.5% + 1 µS/cm; ±1% max.	5 to 100,000 µS/cm	0.1 µS/cm	Actual conductivity (µS/cm, mS/cm) Specific conductivity (µS/cm, mS/cm) Salinity (PSU) Total dissolved solids (ppt, ppm) Resistivity (Ohms-cm) Density (g/cm³)
Dissolved oxygen Optical RDO® Fast Cap	±0.1 mg/L ±0.2 mg/L ±10% of reading	0 to 8 mg/L 8 to 20 mg/L 20 to 50 mg/L Full operating range: 0 to 50 mg/L	0.01 mg/L	mg/L, % saturation, ppm
ORP	±5.0 mV	±1400 mV	0.1 mV	mV
pH	±0.1 pH unit (0 to 12 pH)	0 to 14 pH units	0.01 pH unit	pH units
Temp., sample (probe)	±0.1° C	-5 to 50° C (23 to 122° F)	0.01° C or better	Celsius, Fahrenheit
Barometric pressure (battery pack/power pack)	±3 mbar max.	300 to 1100 mbar	0.01 mbar	psi, kPa, bar, mbar, mmHg, inHg, Torr, atm
Temp., air (battery pack/power pack)	±2° C	-20 to 70° C (-4 to 158° F)	0.1° C	Celsius, Fahrenheit
Warranty	2-year warranty on probe. 1-year warranty on Battery Pack/Power Pack. 1-year warranty on cable.			



View results instantly from your iOS or Android device.



Recognize sites quickly and simplify data management with photo and GPS tags.



Low-Flow Sampling System (left) simplifies field setups and delivers real-time data to your clients.

Rugged Sensors (right) stand up to demanding conditions. Sensors automatically recognize calibration solutions and calibrations are stored in the sensors. The optical Rugged Dissolved Oxygen (RDO) Sensor uses In-Situ EPA-approved methodology.



Specifications subject to change without notice. Android™ is a trademark of Google Inc. Apple, iPhone, iPod touch, and iPad are trademarks of Apple Inc. registered in U.S. and other countries. NIST is a registered trademark of the National Institute of Standards and Technology. Viton is a registered trademark of DuPont Performance Elastomers L.L.C.

CALL OR CLICK TO PURCHASE

1-800-446-7488 (toll-free in U.S.A. and Canada)
1-970-498-1500 (U.S.A. and international)

WWW.IN-SITU.COM

221 East Lincoln Avenue, Fort Collins, CO 80524 USA
Copyright © 2015 In-Situ Inc. All rights reserved. Nov. 2015 (T3; 2K)