Con TROLL® PRO System

In-Situ's Con TROLL PRO System is designed for process control and continuous monitoring applications. For local installations and integration into a SCADA or PLC system, choose from two AC-powered models—either logging or non-logging. For remote field deployments, select the DC logging version.

Customize the system by connecting one or two of the following: optical RDO® PRO-X Probe; Aqua TROLL 100 or 200 Data Logger; Aqua TROLL 400 Multiparameter Instrument; Level TROLL 400, 500, or 700 Data Logger; and Rugged TROLL 200 Data Logger. Use the Con TROLL PRO System to:

- **Display, log, and report multiple parameters**.
- **Transfer data to a RuggedReader® Handheld PC or laptop** via *Bluetooth*® Wireless Technology or direct connection.
- **Measure ambient temperature and barometric pressure.**

Simplifies System Integration

- **Uses standard protocols**—connects to a SCADA or PLC system via Modbus/RS485 and includes two isolated 4-20mA current loops.
- **Offers flexible power options**—AC and DC models consume minimal power and feature power-saving options. The DC version can be powered by external battery packs or by solar panels.
- **Recognizes sensors automatically** for fast deployment.

Delivers Critical Information

- **Triggers relays for alarm and control**—low-voltage relays can be used to trigger a bell or flashing light. High-voltage relays can be used to control pumps or gates.
- **Reports real-time conditions** that can indicate process changes, identify a potential malfunction, or trigger corrective measures

Meets Compliance Standards

- Complies with UL/CSA safety standards
- Meets CE and FCC standards for heavy-industrial environments

Applications

- **Aquaculture management**
- **Hydropower monitoring**
- **Municipal/industrial water and wastewater treatment**
- **Real-time remediation systems—pump and treat**
- **River/stream gaging and control and flood control**

CALL OR CLICK TO PURCHASE OR RENT
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

Con TROLL PRO System	
Component description	Microprocessor-controlled, menu-driven measuring system with measured value and temperature displays.
Model AC	Displays and transmits data. Suited for applications with access to line power that do not require logging. Can trigger low- and high-voltage relays.
Model AC-L	Displays, transmits, and logs data. Suited for applications with access to line power that require logging capabilities. Can trigger low- and high-voltage relays.
Model DC-L	Displays, transmits, and logs data. Battery- or solar-powered controller suited for remote applications. Can trigger low-voltage relays.
Power Requirements	AC and AC-L models: 100-240 VAC, 0.15 A, 50-60 Hz DC-L model: 9-36 VDC, 0.2 A max.
Output relays	(2) 4-20 mA isolated current loops (2) low voltage (< 50 V) max. at 2A (2) high voltage (> 50 V), 264 VAC max. at 5A (AC-powered models only)
Enclosure	NEMA 4X; IP67
Controller dimensions	16 x 16 x 9.04 cm (6.3 x 6.3 x 3.56 in) (W x H x D)
Controller weight	AC and AC-L models: 1.36 kg (3.0 lbs) DC-L model: 1.09 kg (2.4 lbs)
Controller operating temperature	-20° to 70° C (-4° to 158° F); 95% relative humidity, non-condensing
Controller storage temperature	-40° to 85° C (-40° to 185° F); 95% relative humidity, non-condensing
Logging memory	4 MB (3 yrs logging every 15 min. with 2 sensors)
Barometric pressure	Range: 300 to 1100 mbar Accuracy: ±3 mbar max. Resolution: 0.01 mbar
Ambient temperature	Range: -20° to 70° C (-4° to 158° F) Accuracy: ±2° C max. Resolution: 0.1° C
Certifications	Listed for use in general locations to UL/CSA safety standards by ETL (w/ RDO PRO-X Probe). CE and FCC approved for heavy-industrial environments (w/ RDO PRO-X Probe).
Warranty	1 year

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Easily Integrates with In-Situ Instruments

Connect one or two sensors to the Con TROLL PRO System:

- Optical RDO PRO-X Dissolved Oxygen Probe
- Aqua TROLL 100 or 200 Data Logger and Aqua TROLL 400 Multiparameter Probe
- Level TROLL 400, 500, or 700 Data Logger
- Rugged TROLL 200 Data Logger (Modbus/RS485 option only)

Improves Accuracy

- **Compensates for environmental factors**—you can enable automatic barometric pressure, salinity, and water density compensations as needed for your application.

- **Offers on-site calibration**—you can easily calibrate sensors and reset factory defaults.
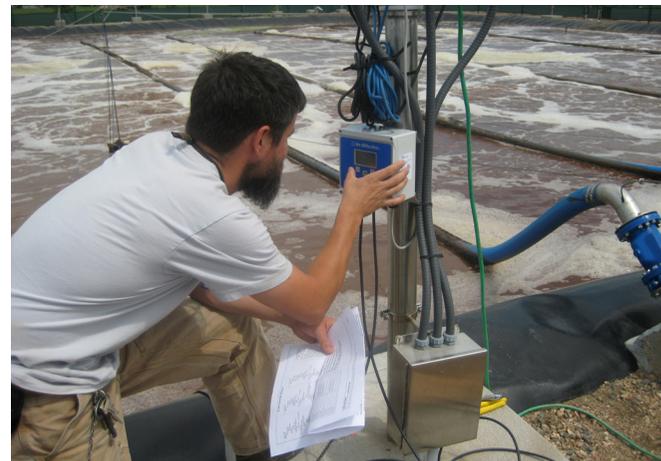
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