



## 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 the AC logging version. 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 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

[www.in-situ.com](http://www.in-situ.com)

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)

### Applications:

- MUNICIPAL/INDUSTRIAL WATER AND WASTEWATER TREATMENT
- REAL-TIME REMEDIATION SYSTEMS—PUMP AND TREAT
- AQUACULTURE MANAGEMENT
- RIVER/STREAM GAGING AND CONTROL AND FLOOD CONTROL
- HYDROPOWER MONITORING

**CON TROLL PRO SYSTEM**

<b>COMPONENT DESCRIPTION</b>	Microprocessor-controlled, menu-driven measuring system with measured value and temperature displays.
<b>MODEL AC-L</b>	Displays, transmits, and logs data. Suited for applications with access to line power that require logging capabilities. Can trigger low- and high-voltage relays.
<b>MODEL DC-L</b>	Displays, transmits, and logs data. Battery- or solar-powered controller suited for remote applications. Can trigger low-voltage relays.
<b>POWER REQUIREMENTS</b>	AC and AC-L models: 100-240 VAC, 0.15 A, 50-60 Hz DC-L model: 9-36 VDC, 0.2 A max.
<b>OUTPUT RELAYS</b>	(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)
<b>ENCLOSURE</b>	NEMA 4X; IP67
<b>CONTROLLER DIMENSIONS</b>	16 x 16 x 9.04 cm (6.3 x 6.3 x 3.56 in) (W x H x D)
<b>CONTROLLER WEIGHT</b>	AC and AC-L models: 1.36 kg (3.0 lbs) DC-L model: 1.09 kg (2.4 lbs)
<b>CONTROLLER OPERATING TEMPERATURE</b>	-20° to 70° C (-4° to 158° F); 95% relative humidity, non-condensing
<b>CONTROLLER STORAGE TEMPERATURE</b>	-40° to 85° C (-40° to 185° F); 95% relative humidity, non-condensing
<b>LOGGING MEMORY</b>	4 MB (3 yrs logging every 15 min. with 2 sensors)
<b>BAROMETRIC PRESSURE</b>	Range: 300 to 1100 mbar Accuracy: ±3 mbar max. Resolution: 0.01 mbar
<b>AMBIENT TEMPERATURE</b>	Range: -20° to 70° C (-4° to 158° F) Accuracy: ±2° C max. Resolution: 0.1° C
<b>CERTIFICATIONS</b>	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).
<b>WARRANTY</b>	1 year

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**EASILY INTEGRATES WITH IN-SITU INSTRUMENTS**

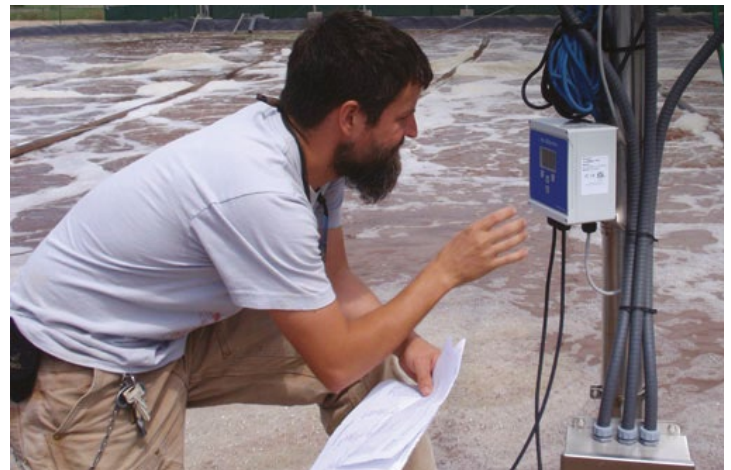
Connect one or two sensors to the Con TROLL PRO System:

- 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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