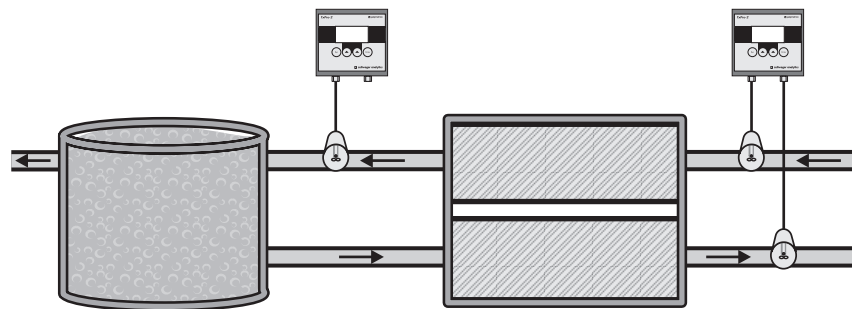


Inlet / outlet turbidity measurement with TxPro™ -2

application note



The TxPro-2 Transmitter, with WP Turbidity Sensors, is designed for low concentration applications such as filtration system monitoring. One WP-240 is used for influent monitoring (top right). A second WP-240 is used for filter alarm and effluent monitoring (left). A WP-260 (bottom right) can be used for backwash control.

TxPro-2 Transmitter

- Multi-point calibration
- Two separate sensor channels for measurement at more than one location of more than one measuring point
- Two scalable 0/4–20 mA dual-range outputs, galvanically isolated from controller; three user-configurable relays; one purge timer relay; high resolution display
- Complies with CE, UL and CSA requirements
- NEMA 4X (≈ IP66) enclosure
- Panel, wall or pipe mounting is standard with unique universal mounting bracket

Options

- Handrail mounting bracket assembly, quick-release; 713-1119

WP Sensors

- RS485 serial communication to TxPro-2
- WP-240 measures from 0.02 to 200 NTU
- WP-260 measures from 0.2 to 2000 NTU
- PVC sensor tip with quartz glass windows
- Immersion sensor body: CPVC with 1–1/4" NPT male threads
- Insertion sensor body: 316SS
- Programmable wiper with a Neoprene® blade and a 316 SS shaft
- Polyurethane cable; standard length 10 m (33 ft)

Mounting

- Polyurethane interconnect cable; standard length 10 m (33 ft)
- Ball valve
- Wye-piece

System	Voltage	Sensor	Cable Length	Part Number
TxPro-2 high range	90-265 VAC	WP-260 immersion (1 per system)	10 m (33 ft)	6102-2600
	90-265 VAC	WP-260 immersion (2 per system)	10 m (33 ft)	6202-2600
TxPro-2 high range	90-265 VAC	WP-262 insertion (1 per system)	10 m (33 ft) interconnect	6102-2620
	90-265 VAC	WP-262 insertion (2 per system)	10 m (33 ft) interconnect	6202-2620
TxPro-2 low range	90-265 VAC	WP-240 immersion (1 per system)	10 m (33 ft)	6102-2400
	90-265 VAC	WP-240 immersion (2 per system)	10 m (33 ft)	6202-2400
TxPro-2 low range	90-265 VAC	WP-242 insertion (1 per system)	10 m (33 ft) interconnect	6102-2420
	90-265 VAC	WP-242 insertion (2 per system)	10 m (33 ft) interconnect	6202-2420
TxPro-2 high / low combination	90-265 VAC	WP-260 immersion (1 per system) WP-240 immersion (1 per system)	10 m (33 ft)	6202-2500
TxPro-2 high / low combination	90-265 VAC	WP-262 insertion (1 per system) WP-242 insertion (1 per system)	10 m (33 ft) interconnect	6202-2520

This publication is not intended to form the basis of a contract. The company reserves the right to change design and specification of its products without notice.

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Additional information

Ordering

For additional ordering information, see the *TxPro-2 Turbidity Products* section of the price list.

Specifications

For additional product specifications, see these data sheets:

- *TxPro-2 Transmitter (for suspended solids and turbidity sensors)*
- *Series 200 WP Turbidity Sensors*

Installation

For additional information on installing your system, see the *TxPro-2 User Manual*