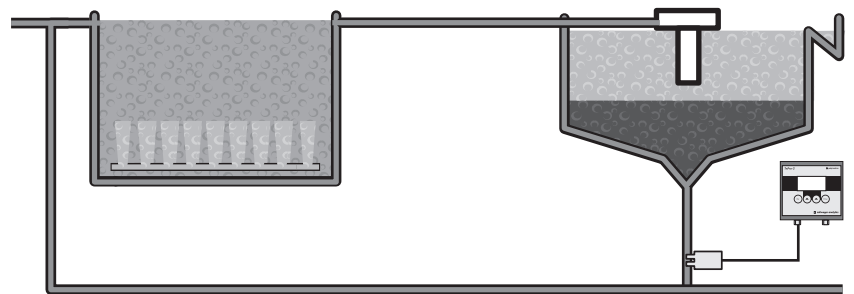


Return / waste activated sludge measurement with TxPro™ -2



application note

The TxPro-2 Transmitter, with a 4-Beam™ RD-262 Suspended Solids Sensor is used to monitor the settled sludge pumped out of the secondary clarifier. It transmits a current loop signal proportional to the solids concentration to remote control equipment. This data is used to determine sludge return rates, wasting rates and control of solids inventory.

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

RD-262 Sensor

- RS485 serial communication to TxPro-2
- 316 stainless steel body for pipeline insertion
- Polypropylene measuring fingers with 880 nm IRLED's and silicon photodetectors
- Polypropylene purge tubing (1/4") with reusable polypropylene fittings
- Polyurethane cable with quick-disconnect to interconnect cable.

Mounting

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

Ordering Information

System	Voltage	Sensor	Cable Length	Part Number
TxPro-2	90-265 VAC	RD-262 insertion (1 per system)	10 m (33 ft) interconnect	6101-2620
TxPro-2	90-265 VAC	RD-262 insertion (2 per system)	10 m (33 ft) interconnect	6201-2620

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 Suspended Solids 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 RD Suspended Solids Sensors*

Installation

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

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