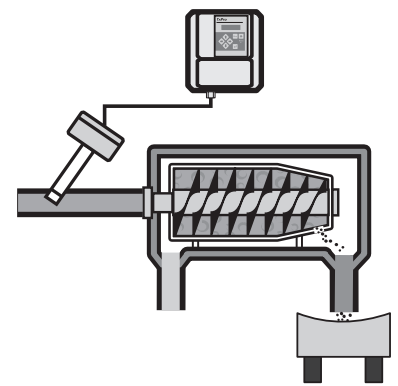


# High concentration sludge measurement with TxPro™ -H

application note

The TxPro Multi-range Suspended Solids and Turbidity Transmitter, with an HC-300 High Concentration Sensor, has the widest range of any suspended solids sensor, making it indispensable for slurry and sludge measurement applications. Typical applications include digested sludge monitoring, solids feed to wastewater treatment plant centrifuges, and solids feed to dewatering processes.



## TxPro-H Transmitter

- Two-point or multi-point calibration
- Programmable auto-ranging function
- Interacts with distributive control systems for simplified batch processing
- Galvanically isolated 0/4–20 mA analog current output, two user-configurable relays and adjustable display
- IEC certified for EMC; IE, UL and CSA safety approved
- NEMA 4X (≈ IP66) enclosure
- Options: Rack-mount (19-inch standard) and epoxy-coated versions

## HC-300 Sensor

- 316 SS body; quartz window; quartz light guides; fluorocarbon O-rings
- Infrared LED (880 nm), silicon photodetector
- Aluminum enclosure, rated NEMA 4X (≈ IP66)

## Mounting

- Interconnect cable, standard length 10 m (33 ft)
- Manual purge ball valve

**Ordering Information**

System	Voltage	Sensor	Cable Length	Part Number
TxPro-H wall-mount	100-240 VAC	HC-300 insertion	10 m (33 ft)	965-9200-123
TxPro-H rack-mount	100-240 VAC	HC-300 insertion	10 m (33 ft)	965-9100-113

*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 *High Concentration Products* section of the price list.

**Specifications**

For additional product specifications, see these data sheets:

- *TxPro Multi-range Suspended Solids and Turbidity Transmitter*
- *HC-300 High Concentration Sensor*

**Installation**

For additional information on installing your system, see these installation guides in the back of the *TxPro-H User Manual*:

- *TxPro Transmitter wall-mount enclosure*
- *TxPro Transmitter rack-mount enclosure*
- *Mounting stud for the HC-300 High Concentration Sensor and ball valve assembly*
- *HC-300 High Concentration Sensor and ball valve assembly*