

Cerlic

CTX20/25SS

Optical Suspended Solids Meter 1" Flow-thru Design



- **Easy to use**
Self-instructing menu
Zero calibrate with water
Calibration with lab test
- **Low maintenance**
Self-cleaning design
No moving parts
- **Wide measuring range**
10 to 30,000 ppm
Depending on type of solids
- **Plug & Play**
Pre-calibrated for quick start-up

The CTX 20/25 by-pass Suspended Solids Sensor is developed to measure suspended solids in liquids. The **CTX** sensor is used to continuously measure solids that are greater than 0.88 microns, such as in WWTP influent and effluent, clarifier effluent, condensate contamination, DAF influent and effluent solids, centrate and filtrate, industrial process slurries, etc. The **CTX 20/25** is constructed of 316SS with sapphire lenses and supplied with 1" npt couplings. The measuring principle is based on the ability of suspended particles to absorb and reflect NIR-light (near infrared), which is pulsed at 880 nm.

The sensor has a 20 mm gap between the lenses, which produces a self-cleaning effect due to the increased velocity.

The sensor is precalibrated for quick and easy start-up. After installation, one point adjustment is performed against a laboratory test. The **BB2** control box has four selectable calibration curves for applications with varying furnishes. Two **CTX** sensors (or other sensors in the X-series) may be connected to a single **BB2** control box, which provides two 4-20mA outputs. The **BB2** box is built with the ability to add an interface board that allows connection to a field-bus.

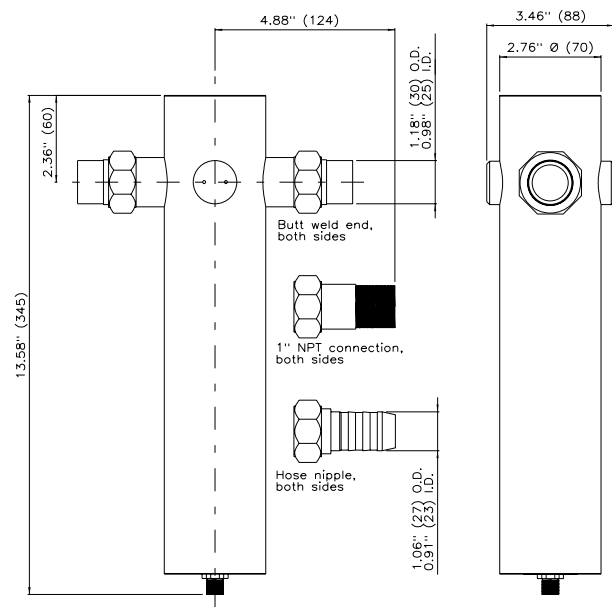
Technical Specifications

Material	316SS (2343)
Weight w/ cable	3 kg (6.6 lbs)
Mounting	1" npt connections
Pressure rating	PN25 (365 psig)
Light source	GaAs diode, 880nm
Connection	5-pin M12-contact
Cable	10m (33 ft) length
Max run	100 m (330 ft) - 10 cables

Measuring range	
Min.	0-100 ppm
Max.	0-3% solids
Flow rates	30 l/min (8 gpm)

Enclosure	IP 65 (NEMA 4X)
Ambient temp	0 ... +60 °C 32 ... 140 °F
Process temp	0 ... +90 °C (32 ... 194°F)

<i>CTX 20/25 LC</i>	
Ambient Temp	0..+60°C (32° to 140° F)
Process Temp	0..+50°C (32° to 122° F)
Measuring Range	Min. 0-10 ppm Max. 0-200 ppm



Cerlic's product line contains sensors for measuring and monitoring your process. Our instruments are used in municipal waste water & water treatment plants, industrial and pulp & paper process control. The development of our BB2 product line is the result of increasing demand for instrumentation that is reliable, accurate and durable.



P.O. Box 5084 SE-141 05 Huddinge Sweden
 Phone +46 8 501 694 00 Fax +46 8 501 694 29
 www.cerlic.com e-mail sales@cerlic.se