

# Cerlic

## CTXIL 20/70

### Optical In-line Consistency Meter 70 mm Design



- **Easy to use**  
Self-instructing menu  
Zero calibrate with water  
One point calibration
- **Wide measuring range**  
0 to 15% consistency
- **Low maintenance**  
Self-cleaning design  
No moving parts
- **Plug & Play**  
Pre-calibrated for quick start-up

## The Cerlic CTXIL 20/70 In-line

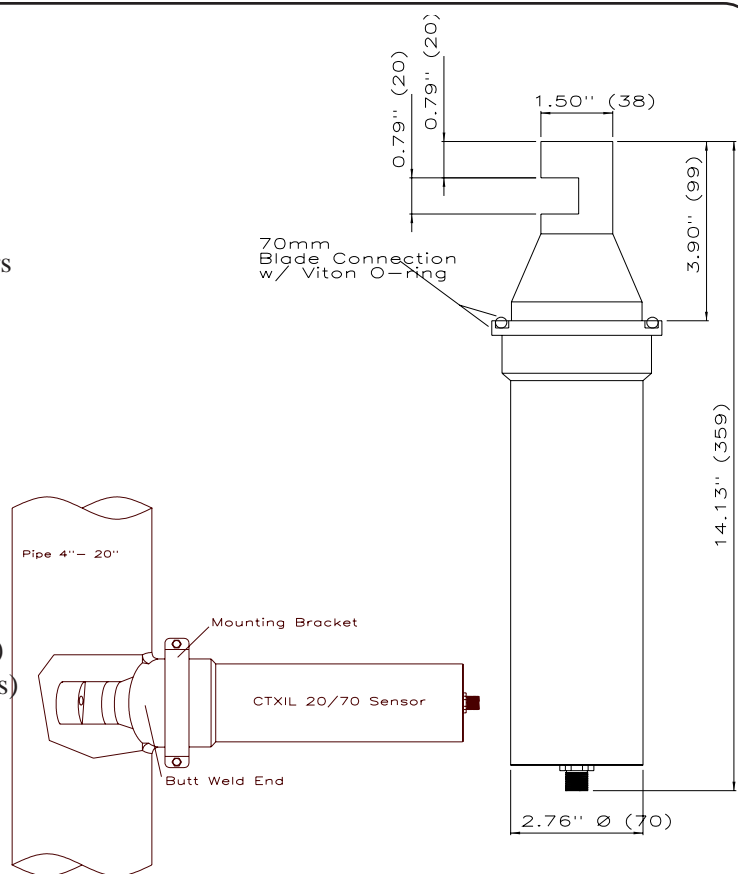
### Consistency Sensor

is developed to measure stock consistency or suspended solids in liquids. The CTXIL 20/70 sensor is used to continuously measure fibers and particles that are greater than 0.88 microns, such as stock from 0.01% (100ppm) to 15%, (depending on type of stock). The **CTXIL 20/70** is constructed of 316SS with sapphire lenses and supplied with 70mm connection. 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.

The CTXIL20/70 is designed to replace existing blade sensors with no piping changes. 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 fieldbus.

### Technical Specifications

Material	316SS (2343)
Weight w/ cable	2,8 kg (6.2 lbs)
Mounting	70 mm connections replaces blade sensors
Pressure rating	PN16 (240 psig)
Light source	GaAs diode, 880nm
Connection	5-pin M12-contact
Cable	10 m (33 ft) length
Max run	100 m (330 ft) - 10 cables
Measuring range	
Min.	0-100 ppm
Max.	0-15% consistency
Flow rate	
Cons.< 1% - min.	1 m/s (3 fps)
Cons.>1% - min.	1.5 m/s (5 fps)
Enclosure	IP 65 (NEMA 4X)
Ambient temp	0 ... +60 °C (32 ... 140 °F)
Process temp	0 ... +90 °C (32 ... 194°F)



**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.



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