

Cerlic

CTXIL HP

Optical In-line consistency meter High Pressure Design



- **Easy to use**
Self-instructing menu
Zero calibrate with water
One point calibration
- **Wide measuring range**
0.01% to 15% consistency
- **Low maintenance**
Self-cleaning design
No moving parts
- **Plug & Play**
Pre-calibrated for quick start-up

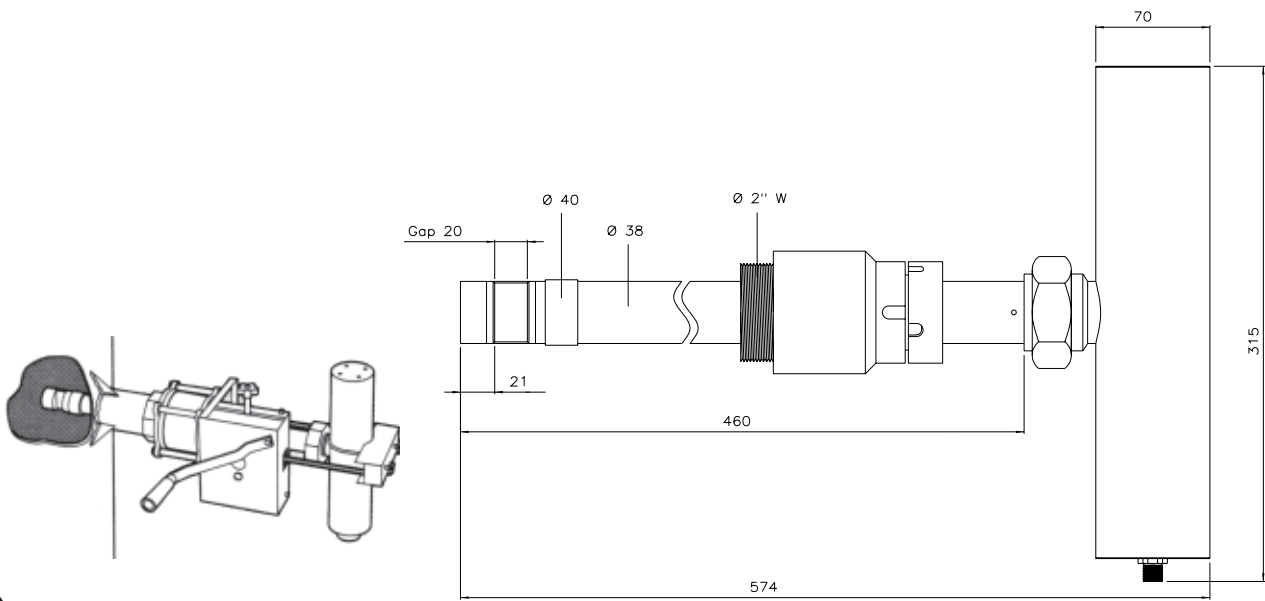
The CTXIL HP In-line Consistency Sensor

was developed to measure stock consistency or suspended solids in liquids. The **CTXIL HP** sensor is used to continuously measure fibers and particles that are greater than 0.88 microns, such as stock from 0.01% (100 ppm) to 15%, (depending on type of stock). The sensor has a mechanical stop collar, which creates a blow-out proof design. The **CTXIL HP** is constructed of 316SS with sapphire lenses and supplied with an 316SS isolation 2" ball valve connection. The measuring principle is based on the ability of suspended particles to absorb and reflect NIR-light

(near infrared), which is pulsed at 880nm. The sensor has a 20mm gap between the lenses. The **CTXIL HP** 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)	Cable	10 m (33 ft) length
Weight w/ cable	7 kg (15.4 lbs)	Max run	100 m (330 ft) - 10 cables
Mounting	50 mm (2") thread-o-let welded pipe	Measuring range	Min. 0-100 ppm Max. 0-15% consistency
Pressure rating	PN16 (240 psig)	Flow rate	Cons.< 1% - min. 1 m/s (3 fps) Cons.> 1% - min. 1.5 m/s(5 fps)
Light source	GaAs diode, 880nm	Enclosure	IP 65 (NEMA 4X)
Connection	5-pin M12-contact	Process temp.	0 ... +100 °C (32-212 °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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