

## Suspended Solids Sensor



### **MULTI**

- Flexible – choice of portable or stationary central units
- High quality stainless steel execution
- Flexible – choice of optical or electrochemical electrodes
- Long term stability and long maintenance intervals

## SOLIDO

The Solido is a portable optical suspended solids meter using light transmission, which is the most accurate measuring principle for SS. Solido is designed to measure suspended solids in aeration basins, RAS, aerobic digesters in water and wastewater plants, as well as in other facilities. Two different alarm levels for the

suspended solids may be set to indicate high and low levels. It is able to store up to 250 measurements with information about time, date and location, that may be named by the user. Each location contains the suspended solids level and temperature that applied for the specific measurement sample.

### TECHNICAL SPECIFICATIONS

<b>Function</b>	Suspended solids
<b>Measuring principle</b>	Optical light transmission
<b>Wave length</b>	NIR 850 nm
<b>Measuring range</b>	Up to 35000 mg/l (ppm) dependent on solids type
<b>Accuracy suspended solids</b>	1% FS (full scale)
<b>Repeatability</b>	< 2% of Measured Value
<b>Type of Measurement</b>	Continuous
<b>Measuring units</b>	g/l, mg/l, %, ppm
<b>Maximum depth</b>	19 m (62 ft)
<b>Signal at Preset Alarm Values</b>	Acoustic, Vibration, Display
<b>Temperature Range - Liquid</b>	0 – +50°C (+32 – 122°F)
<b>Sensor Body</b>	Stainless Steel, BK7 Glass Windows
<b>Cable</b>	PUR, Shielded
<b>Cable Fitting</b>	MatchClamp™
<b>Weight Sensor</b>	450g (1 lb)
<b>Dimensions Sensor Body</b>	145 mm x 32 mm Ø (5.7"x1.26"Ø)
<b>Cable Length</b>	4 m (13') or 8 m (26 ft)
<b>Enclosure Sensor Body</b>	IP68 (NEMA 7)

### MULTI-SERIES

Solido is one of the sensors in the Multi-series. Please note that this is a new range of sensors and central units which are not compatible with the classic X-range of Cerlic sensors. The Multi-series also includes sen-

sors for sludge blanket and dissolved oxygen. There are both a portable and a stationary central unit to choose from. The Multi-series is flexible and cost effective.