

PORTABLE CENTRAL UNIT FOR SEVERAL PARAMETERS



Parameter options:

*Dissolved
Oxygen*

*Sludge
Blanket*

*Suspended
Solids*



All sensors are members of the new Cerlic Multiseries family.

MULTI

■ **Quick and reliable measurement of: sludge blanket/profile, suspended solids and dissolved oxygen**

■ **Connection to computer**

- Downloading of log and profiles / sensor dependent
- Free program upgrades

■ **Built-in log**

- Stores up to 250 measurements

■ **Vibration and acoustic signal at levels set by user**

■ **Big graphical display**

■ **Easy and flexible calibration**

MULTITRACKER

is a portable instrument for measuring parameters within water/wastewater plants as well as in other facilities. Sensors are available for sludge blanket, suspended solids and oxygen. Cable lengths 4, 8, 12 or 20 m, connects easily to the instrument via a plug-in contact. The MultiTracker built-in log is able to store up to 250 measurements. To the same plug-in contact input as the sensor, a computer cable

may be connected. The log can now easily be transferred to a computer and be handled via Cerlic Tracker Talk or MS Excel. Three calibration-curves for different basins can be saved for simple and flexible use. Two different alarm levels can be set for min/max value with vibration and acoustic signal at set levels. Battery life is approximately 2 – 3 years at normal usage. The Multitracker is delivered in a practical case.

TECHNICAL SPECIFICATIONS / HAND UNIT

Parameter	Sludge blanket/profile, suspended solids and dissolved oxygen
Display	LCD graphical, 128 x 64 pixels
Back light	Yes
Languages	Swedish, English, German, French
Log function	250 measurements
Signal at preset alarm values	Acoustic, vibration/direct value on display
Temperature range, sensor	0 - +50°C
Temperature range hand unit	-10 - +50°C
Key pad	8 membrane push buttons
Cable	PUR, shielded
Sensor cable connection	M12
Weight hand held unit	500g (sensor & bracket not included)
Batteries	4 x AA (1.5V)
Battery life continuous measurement	Up to 100 h / sensor dependent
Battery life at normal usage	Approx 2 – 3 years
Dimensions hand held unit	130 x 105 x 200 mm (l x w x h))
Enclosure hand held unit	IP65



M12



Hand unit Sensor with cable



Sensor attached to hand unit



Easy to change sensor



Computer kit



Tracker talk

MULTI-SERIES

MultiTracker is a part of the new Multi-series. Please note that it is a new range of sensors and central units which are not compatible with the Classic range of Cerlic sensors. The Multi-series includes sensors

for suspended solids, sludge levels and dissolved oxygen. There is both a portable and a permanently installed control panel to choose from. The Multi-Series is flexible and cost effective.



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SLUDGE BLANKET SENSOR



MULTI

- Measures both depth and suspended solids
- Gives a profile of the sludge
- Flexible – choice of portable or stationary central units
- Optical NIR light transmission
- High quality stainless steel execution
- Long term stability and long maintenance intervals

BLANKO

The Blanko is a portable optical suspended solids meter designed to measure sludge blanket depth and suspended solids in clarifiers, thickeners, aeration basins, etc in water and wastewater plants, as well in other facilities. It is possible to display measured values as text or as a graphic image of the sludge profile. Two different alarm levels for the sludge blanket may be set to indicate fluff and sludge blanket

levels. These may be displayed next to the graphic sludge profile. It is able to store up to 250 measurements as a graphic profile, each with information about time, date, location, that may be named by the user. Each profile also contains data about blanket and fluff depths that applied for the specific measurement.

TECHNICAL SPECIFICATIONS	
Function	Sludge Concentration and Depth
Measuring principle	Optical light transmission
Wave length	NIR 850 nm
Measuring range	Max – 20,000 mg/l (ppm)
Accuracy suspended solids	1% FS (full scale)
Repeatability	< 2% of Measured Value
Type of Measurement	Continuous with Profile
Number of Detectable Levels	Two (fluff and sludge blanket)
Measuring units	g/l, mg/l, %, ppm
Depth units	cm, dm, m, in, ft
Principle of Depth Measurement	Pressure cell, absolute pressure
Accuracy Depth Measurement	+/- 0,5% FS
Altitude limitation	Max 1400 m (optional 5000 m) 4,500 feet (optional 15,000 feet)
Maximum depth	19 m (62 ft)
Temperature Range - Liquid	0 – +50°C (+32 - 122°F)
Sensor Body	Stainless Steel, BK7 Glass Windows
Cable	PUR, Shielded
Cable Fitting	MatchClamp™
Weight Sensor	450g (1 lb)
Weight Hand Held Unit w/ sensor	1.4 kg (3.0 lb)
Dimensions Sensor Body	145 mm x 32 mm Ø (5.7"x1.26"Ø)
Cable Length	8 m, 12 m (26 ft, 36 ft)
Enclosure Sensor Body	IP68 (NEMA 7)

MULTI-SERIES

Blanko 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 sensors for suspended solids and dissolved oxygen. There are both a

portable and a stationary central unit to choose from. For the time being the Blanko is not compatible with the stationary central unit. The Multi-series is flexible and cost effective.



SUSPENDED SOLIDS SENSOR



Now with **three** different stored calibrations!

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	
Function	Suspended solids
Measuring principle	Optical light transmission
Wave length	NIR 850 nm
Measuring range	Up to 35000 mg/l (ppm) dependent on solids type
Accuracy suspended solids	1% FS (full scale)
Repeatability	< 2% of Measured Value
Type of Measurement	Continuous
Measuring units	g/l, mg/l, %, ppm
Maximum depth	19 m (62 ft)
Signal at Preset Alarm Values	Acoustic, Vibration, Display
Temperature Range - Liquid	0 » 50°C (32 » 122°F)
Sensor Body	Stainless Steel, BK7 Glass Windows
Cable	PUR, Shielded
Cable Fitting	MatchClamp™
Weight Sensor	450g (1 lb)
Dimensions Sensor Body	145 mm x 32 mm Ø (5.7"x1.26"Ø)
Cable Length	4 m (13'), 8 m (26 ft), 12 m(36 ft)
Enclosure Sensor Body	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.



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DISSOLVED OXYGEN SENSOR



MULTI

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

OXYDUO

The Oxyduo is a portable oxygen meter designed to measure oxygen levels in aeration basins etc in water and wastewater plants, as well as in other facilities. It is possible set two different levels for high and low alarms.

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 will contain data, oxygen level and temperature that applied for the specific measurement sample.

TECHNICAL SPECIFICATIONS

Function	Dissolved oxygen
Measuring principle	Optical or electro chemical
Measuring range	0 to 20 mg/l (ppm)
Accuracy	+/- 1% FS (full scale)
Repeatability	< 2% of Measured Value
Type of Measurement	Continuous
Number of Detectable Levels	Two (High and low alarm)
Measuring units	mg/l, ppm
Maximum depth	19 m (62 ft)
Signal at Preset Alarm Values	Acoustic, Vibration, Display
Temperature Range - Liquid	0 – +50°C (+32 - 122°F)
Sensor Body	Stainless Steel,
Cable	PUR, Shielded
Cable Fitting	MatchClamp™
Weight Sensor	450g (1 lb)
Dimensions Sensor Body	145 mm x 32 mm Ø (5.7"x1.26"Ø)
Cable Length	4 m (13'), 8 m (26 ft), or 12 m (36 ft)
Enclosure Sensor Body	IP68 (NEMA 7)

MULTI-SERIES

Oxyduo 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 suspended solids. There are both a portable and a stationary central unit to choose from. The Multi-series is flexible and cost effective.



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