

# 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 with inches
Principle of Depth Measurement	Pressure cell, absolute pressure
Accuracy Depth Measurement	+/- 0,5% FS
Altitude limitation	Max 4,500 feet (optional 15,000 feet)
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)
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 (26 ft), 12 m(36 ft), or 20 m (61 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.



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