

Portable Blanket Monitor



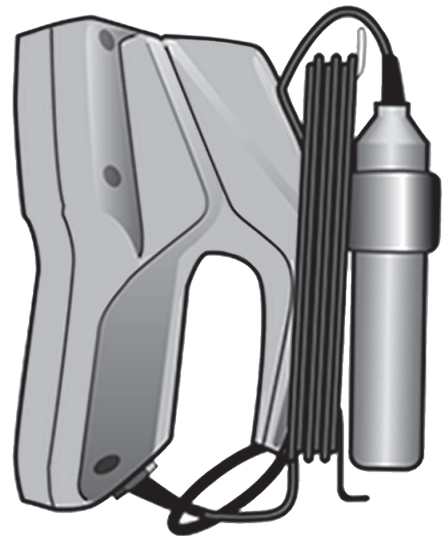
- Measures sludge blanket, profile and suspended solids
- Stores up to 250 measurements in the built in log; history of changes in the sludge
- Big graphical display with vibrator and acoustic signal at set levels
- Water proof housing, will float if accidentally dropped in basin

Blanket Tracker is a portable optical 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. The Blanket Tracker 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 (maximum 10 characters e.g. Clarifier 2; Thickener 5, etc). Each profile also contains data about blanket and fluff depths that applied for the specific measurement. The Blanket Tracker is delivered in a practical briefcase. Battery life is approximately 2-3 years at normal use.

Technical specifications

Parameter	Sludge blanket and depth
Measuring Principle	Optical & Light Transmission
Wave length	NIR 850 nm
Measuring range SS	0 – ~10 000 mg/l (ppm)
Accuracy suspended solids	1%
Repeatability	< 2% of measured value
Type of measurement	Continuous with profile
Number of detectable levels	Two (sludge blanket and fluff)
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
Maximum depth	19 m (62 ft), three bars absolute pressure
Display	LCD graphical, 128 x 64 pixels
Back light	Yes
Languages	Swedish, English, German, French
Log function	250 measurements with profile
Signal at preset alarm values	Acoustic, vibration/direct value on display
Temperature range, sensor	0 - +50°C (32 - 122°F)
Temperature range hand unit	-10 - +50°C (14 - 122°F)
Key pad	8 membrane push buttons
Sensor body	SS316, BK7 glass windows
Cable	PUR, shielded
Cable fitting	MatchClamp™
Weight sensor	450g
Weight hand held unit	550g
Batteries	4 x AA (1.5V)
Battery life continuous measurement	Up to 100 h
Battery life at normal usage	Approx 2 - 3 years
Dimensions sensor	145x32 mm (length x Ø)
Dimensions hand held unit	130 x 105 x 200 mm (l x w x h)
Cable length	8, 12, 20 m (26, 39, 66 ft)
Enclosure sensor	IP68 (NEMA 6P)
Enclosure hand held unit	IP67 (NEMA 6)



Blanket Tracker



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