



SludgeWatch 715 Sludge Blanket Detector

THE SLUDGEWATCH 715 PROVIDES A SIMPLE, LOW COST METHOD OF SPOT CHECKING THE SLUDGE BLANKET LEVEL IN A WIDE VARIETY OF SETTLEMENT TANKS. THE SLUDGE BLANKET IS DETECTED BY WINDING THE SENSOR DOWN INTO THE TANK. THE AUDIBLE TONE CHANGES AND THE LED ILLUMINATES ONCE THE SENSOR HAS REACHED THE BLANKET.

EASY TO USE

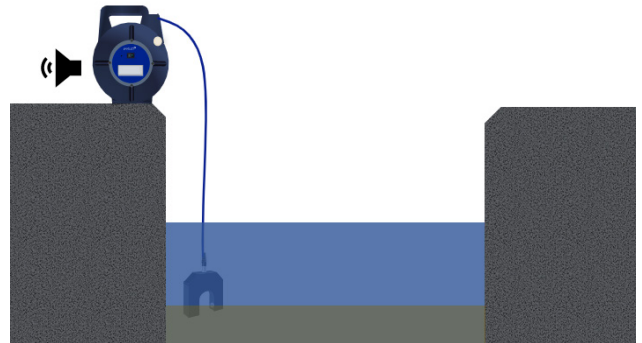
- The SludgeWatch 715 simplifies the process of finding the sludge blanket by emitting an audio beep.
- Simple on/off interface. No software or additional device needed to get a measurement.
- The product is available in feet or meter markings to provide dependable, easy-to-read depth indication.
- Quick and reliable Sludge Blanket detection allows site operators to make better decisions on tank de-sludging.

NOT OPERATOR DEPENDENT

- The SludgeWatch 715 uses infrared-attenuation technology to guarantee repeatable and immediate sludge detection at every measurement.

TOTAL FIELD SUPPORT

- Technical support is just a phone call away.



Applications:

- FINAL SETTLEMENT TANKS
- PRIMARY SETTLEMENT TANKS
- WATER TREATMENT - CLARIFIERS
- THICKENERS
- LAMELLA SEPARATORS

GENERAL							SludgeWatch 715 Sludge Blanket Detector						
OPERATING TEMP.	0 to 50°C (32 to 122°F), limited by risk of ice formation interfering with measurement			BATTERY LIFE	6 months typical use								
DIMENSIONS	280 mm (11 in) x 230 mm (9 in) x 130 mm (5.1 in) (H x W x D)			DISPLAY	Front Panel LED - 'ON' in Sludge								
WEIGHT	1.7 kg (3.74 lbs)			ACCURACY	± 1 cm (0.3 in) of interface								
PROTECTION CLASS	Electronics: IP54 Sensor: IP68			PRINCIPAL OF OPERATION	Light Absorption								
ENCLOSURE MATERIAL	Dark Blue Nylon			WAVELENGTH	950 nm Infrared								
AUDIBLE OUTPUT	Short Tone in Water Long Tone in Sludge			RESOLUTION	Cable markings every 1.0 m or 3.0 ft								
POWER SUPPLY	9V Battery (PP3)			RESPONSE TIME	0.5 seconds								
STANDARD SENSORS	DIMENSIONS	WEIGHT		OPTICAL PATH	RANGE	CABLE LENGTH	SERVICE REQUIREMENT						
IR8 Sensor	95 (3.7 in) x 8 (0.3 in) x 25 (0.9 in) mm	0.7 kg (1.54 lbs) inc 10 m of cable		8 mm	0 - 30,000	10 m (32.8 ft) standard	No routine servicing						
IR15 Sensor	95 (3.7 in) x 15 (0.6 in) x 25 (0.9 in) mm	0.7 kg (1.54 lbs) inc 10 m of cable		15 mm	0 - 10,000	10 m (32.8 ft) standard	No routine servicing						
IR40 Sensor	95 (3.7 in) x 40 (1.6 in) x 25 (0.9 in) mm	0.7 kg (1.54 lbs) inc 10 m of cable		40 mm	0 - 1,500	10 m (32.8 ft) standard	No routine servicing						
IR100 Sensor	95 (3.7 in) x 100 (3.9 in) x 25 (0.9 in) mm	0.7 kg (1.54 lbs) inc 10 m of cable		100 mm	0 - 200	10 m (32.8 ft) standard	No routine servicing						
WARRANTY	2 years												
SENSOR				SETPOINT (NOT USER ADJUSTABLE)		TYPICAL APPLICATIONS							
IR100 - Range 0 to 200 mg/l The sensor should only be used if the sludge is very 'light' with very clear supernatant.				Setpoint approximate - 100 mg/l		Water Treatment							
IR40 - Range 0 to 1,500 mg/l This is the most commonly used sensor and is suitable for use on final settlement tanks in sewage treatment applications and clarifiers in water treatment works.				Setpoint approximate - 750 mg/l		Water Treatment Clarifiers Sewage Treatment Final Settlement Humus Tanks							
IR15 - Range 0 to 10,000 mg/l This sensor is also regularly used for sludge blanket detection and is normally used for primary settlement in sewage treatment and sludge thickeners in water treatment.				Setpoint approximate - 5,000 mg/l		Water Treatment Sludge Thickeners Sewage Treatment Primary Tanks							
IR8 - Range 0 to 30,000 mg/l This sensor should be applied on sludge thickeners in sewage treatment plants.				Setpoint approximate - 15,000 mg/l		Sewage Treatment Thickeners							
Note: Sensor ranges and detection points are approximate and depend on the site-specific nature of the treatment process.													