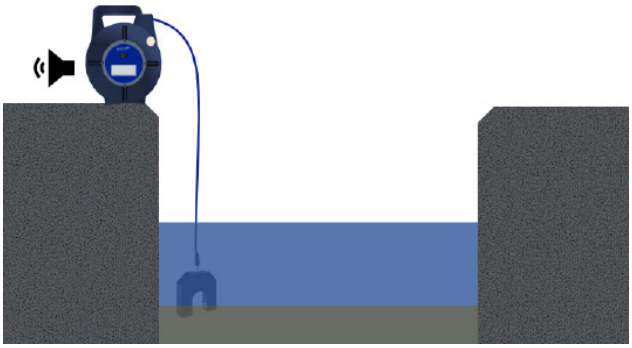
SludgeWatch 715 Sludge Blanket Detector

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**

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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 1.0 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 to10,000 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.

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