

Sludge Watch 715

Portable Sludge Blanket Detector

Benefits

- ◆ Reliable, repeatable measurement
- ◆ Not operator dependent
- ◆ Improved tank desludging
- ◆ No user adjustment required
- ◆ Cable management
- ◆ Uses standard 9V battery

Applications

- ◆ Sewage treatment: final tanks and primary tanks
- ◆ Water treatment - clarifiers and thickeners
- ◆ Lamella separators

The Sludge Watch 715 provides a simple, low cost method of spot checking the sludge blanket level in a wide variety of settlement tanks. The cable reel design removes the need for any additional carrying bag.

The Sludge Watch 715 uses a range of infrared sensors to make the sludge interface detection. Infrared attenuation has been selected as it is ideally suited to detecting the sludge present in the interface zone. This tends to be considerably 'thinner' than the sludge that is present at the bottom of a settlement tank.

This method of sludge blanket detection offers major improvement over traditional Sludge Judge type systems in terms of both repeatability and importantly health and safety - no more manhandling 4 metre tubes full of contaminated wastewater.



Technical Specifications

Dimensions	280 x 230 x 130mm
Weight	1.7kg including sensor and 10 metres
Protection Class	Electronics: IP54 Sensor: IP68 Sensor: IP68
Enclosure Material	Dark Blue Nylon
Cable Length	10 metres standard, 15 metres maximum
Power Supply	9V Battery (PP3)
Battery Life	6 months typical use
Operating Temperature	0 to 50°C, limited by risk of ice formation interfering with measurement
Display	Front Panel LED - 'ON' in Sludge
Audible Output	Short Tone in Water Long Tone in Sludge
Accuracy	+/- 1 cm of interface
Principal of Operation	Light Attenuation
Wavelength	960nm Infrared
Resolution	Standard cable markings every 1.0 metres
Units of Measurement	Metres
Response Time	0.5 seconds