



# ASLD2200

## Analogue Output Automatic Sludge Blanket Level Monitor

PRODUCT DATASHEET

### APPLICATIONS

Final Settlement Tanks  
Primary Settlement Tanks  
WRc Thickeners  
Clarifiers

### FEATURES

Simple to Use  
Very Low Cost of Ownership  
Automatic Bridge Clearance Control  
Sensor Tracks the Sludge Interface  
Tolerant of Porry Formed Blanket

### BENEFITS

Early Warning of Blanket Failure  
Automatic De-Sludging  
Not Confused by Blanket  
Breakdown

### COMPATIBLE SENSORS

Infrared Sensors

### ALTERNATIVE SENSORS

8200w<sup>2</sup>  
SludgeWatch 715



The ASLD2200 is a fully automatic sludge blanket level detector designed for the water and waste water industry. It utilises a servo-driven sensor which continually tracks the settled interface with the sensor at the very top of interface zone.

Continuous monitoring of the sludge/water interface or sludge blanket is central to the efficient operation of clarifiers, thickeners and settlement tanks. Reliable measurement enables a control system to maintain the optimum depth of sludge in the tank. A sludge interface that is too high can result in pollution incidents caused by carry-over from a final settlement tank. The sludge can also become too thick to extract easily or can turn septic if left too long. If there is insufficient sludge in the tank the settlement process cannot operate correctly and the solids will tend to remain in suspension.

Our infrared sensors are ideally suited to monitoring the sludge/water interface even when settlement process is not working effectively and the interface has become indistinct.

The sensor will positioned in the area of tank just above the sludge so that it is kept away from the worst bit of fouling.

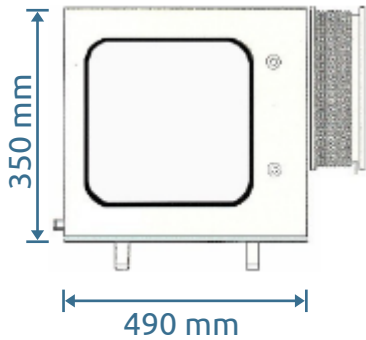
Call us on + 44(0) 1726 879800 [www.partech.co.uk](http://www.partech.co.uk)



# ASLD2200

## Sludge Blanket Monitor

PRODUCT DATASHEET



### Physical

Dimensions  
Weight  
Protection Class  
Enclosure Material  
Cable Entries  
Cable Length

350 x 490 x 300 mm (H x W x D)  
15 kg  
IP55 Outer Enclosure with IP65 electronics housing  
GRP Outer Enclosure with Polycarbonate inner  
3x M20  
10 metres standard

### Electrical

Power Supply

85 to 264VAC 50/60 Hz  
Rating 25 VA

### Measurement

Accuracy

±100 mm  
Accuracy will depend on the setting characteristics of the solids can vary during operation of the plant  
0.01 mg/l  
±1% of reading  
Light Attenuation  
960 nm Infrared  
0.5 seconds - damping provided by monitor

Resolution  
Repeatability  
Measurement Principle  
Wavelength / Frequency  
Response Time

Sensor Selection  
IR100

Range: 0-200 mg/l  
Optical Path: 100 mm  
Special Application Only  
Range: 0-1,500 mg/l  
Optical Path: 40 mm

IR40

Wastewater Treatment - Final Settlement & Humus Tanks  
Drinking Water Treatment - Clarifiers

IR15

Range: 0-10,000 mg/l  
Optical Path: 15 mm  
Wastewater Treatment - Primary Settlement Tanks  
Drinking Water Treatment - Picket Fence Thickeners

IR8

Range: 0-30,000 mg/l  
Optical Path: 8 mm  
Wastewater Treatment - Picket Fence Thickeners

### Mounting

Installation Type  
Mounting Bracket

Handrail  
PN 101170  
The bracket is supplied with U-Bolt suitable for handrails with a size of 50 mm

### Order Codes

#### Part No Description

167430 ASLD2200 Monitor

101170 Mounting Bracket

Publication No: 184180DS-Iss12

The company reserves the right to alter the specification without prior notice. E&OE

Call us on + 44(0) 1726 879800 [www.partech.co.uk](http://www.partech.co.uk)



Address: Rockhill Business Park, Higher Bugle, St Austell, Cornwall PL26 8RA, UK E: [info@partech.co.uk](mailto:info@partech.co.uk)