



# SludgeWatch 8200w<sup>2</sup> Monitor

## Fixed Point Sludge Blanket Detector

PRODUCT DATASHEET

### APPLICATIONS

Final Settlement Tanks  
Primary Settlement Tanks  
WRc Thickeners  
Clarifiers  
Lamella Separators

### FEATURES

Simple to use  
Very Low cost of ownership  
Fault Alarm

### BENEFITS

Early Warning of Blanket Failure  
Automatic De-Sludging

### COMPATIBLE SENSORS

SoliTechw<sup>2</sup> IR Sensor



The 8200w<sup>2</sup> Monitor provides a reliable method of detecting the sludge blanket level in clarifiers and settlement tanks, or increasing levels of suspended solids or sludge density in large range of processes.

Control of the sludge blanket level is essential to ensure discharge consent compliance and efficient control of the treatment process. If the sludge blanket in a settlement tank is allowed to rise close to the surface there is a danger that solids will leave the tank and contaminate the next process stage or be discharged into the water course. Alternatively, if the sludge blanket is not allowed to stabilise or form a blanket or is pumped out too frequently the settlement process does not take place at all and solids will remain in suspension. Additionally there is a danger that thin sludge or water will be pumped from the bottom of the tank into the sludge handling system thus reducing the effectiveness of that process.

The 8200w<sup>2</sup> Monitor is suitable for mounting outdoors on the bridge of settlement tanks, as the enclosure is IP65 rated and no outer enclosure is required. Provision must be made for transmission of the output signal to the control system; this is normally possible via spare slip rings. Where this is not possible a radio telemetry option is available, allowing transmission directly to the control system without the need for installation of cables.



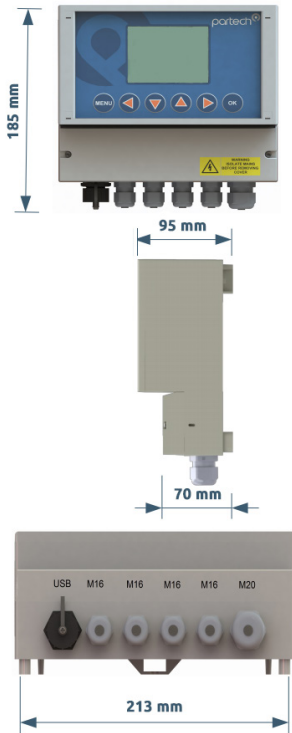
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## Fixed Point Sludge Blanket Detector

### PRODUCT SPECIFICATION



#### Physical

Dimensions  
Weight  
Enclosure Material  
Enclosure Rating  
Cable Entries  
Temperature Rating

185 x 213 x 95 mm (H x W x D)  
1.4 kg  
Polycarbonate  
IP65  
1 x M20, 4 x M16, 1 x USB Type A  
-20 to +70°C, 0 to 95% Humidity (non-condensing)

#### Electrical

Power Supply  
Power Rating  
Terminal Core Size

85 to 264VAC 50/60 Hz  
9 to 36 VDC  
0.8A  
Max Conductor Cross Section 2.5mm<sup>2</sup>

#### Outputs

Relays  
Rating

3 x SPCO  
5A at 250VAC and 5A at 30VDC

#### User Interface

Keypad  
Display  
Backlight

6 Key  
Sunlight Readable Black on White Graphic LCD  
On/Off/On after keypress with user adjustable contrast

#### Mounting

PN223974 - Handrail Mounting Plate  
PN226786 - Outer Enclosure with Isolator

#### Order Codes

##### Part No Description

- |        |  |
|--------|--|
| 229623 | SludgeWatch 8200w <sup>2</sup><br>Fixed Sludge Level<br>Detector (85 to 264VAC,<br>Modbus Slave, 3 x Relay<br>Outputs) |
| 229624 | SludgeWatch 8200w <sup>2</sup><br>Fixed Sludge Level<br>Detector (9 to 36VDC,<br>Modbus Slave, 3 x Relay<br>Outputs)   |

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

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