



SludgeWatch 8200w² 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

SoliTechw² IR Sensor



The 8200w² 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 8200w² 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.



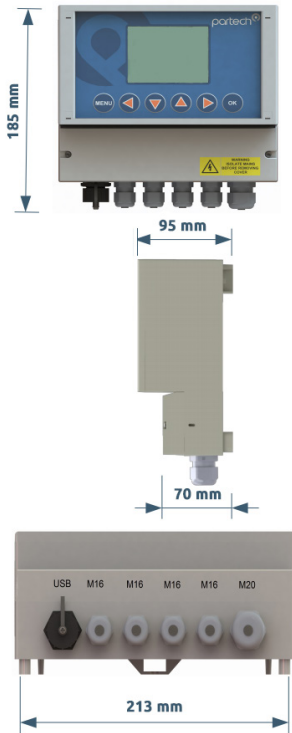
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PRODUCT SPECIFICATION



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 2.5mm²

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 ²
Fixed Sludge Level
Detector (85 to 264VAC,
Modbus Slave, 3 x Relay
Outputs) |
| 229624 | SludgeWatch 8200w ²
Fixed Sludge Level
Detector (9 to 36VDC,
Modbus Slave, 3 x Relay
Outputs) |

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

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