



PSS6000 Controller With USB Feature



PSS800 Controller

Suspended Solids / Sludge Blanket / Turbidity Analyzer

Empowers you with accurate, compact and timely Suspended Solids measurement.

Applications



Paper & Pulp



Food & Beverages



Wastewater



Process Water

In A Glance...

Leadtec PSS6000 & PSS800 controllers offer an unrivaled user friendliness in measurement of Suspended Solids (SS), Sludge Blanket and Turbidity. Its minimalistic design offers the most convenient operation than any analyzers.

The operation and calibration can be performed easily with a friendly step-by-step interface.

From wastewater applications to paper and pulp industries, our controller is very practicable in many situations thanks to flexibility for different ranges of measurement.

Besides, the controller is well-equipped with analogue output and Field Bus Connection RS-485 communication.

Benefits

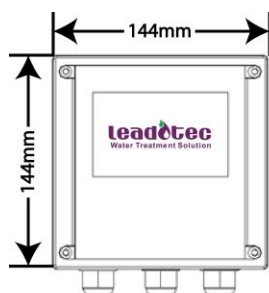
- ❖ Robust & reliable: Highest level of waterproof and dustproof analyzer for site measurement and easy installation.
- ❖ Less is more; Having just the essential features are better than having way too much of superfluous things.
- ❖ Intuitive operation; Step-by-step navigation facilitates the user to configure the analyzer and calibrate the sensor.
- ❖ Clean-cut display; Neat and organized functions allow zero hassle operation.

Specifications

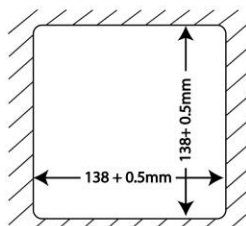
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|-------------------------------|--|-------------------------------------|---|
| Measuring Range | Suspended Solids: 0.00 – 50.00 g/L Sludge Blanket: 0.0 – 100.0% Turbidity: 0.0 – 4000.0 NTU | Max. Relay Contacts Capacity | 5A/250 VAC 5A/30 VDC |
| Resolution | Suspended Solids: 0.01 Sludge Blanket: 0.1 Turbidity: 0.1 | Cleaning Setting | ON : 1 to 1000 seconds OFF : 0.1 to 1000.0 hours |
| Accuracy | Suspended Solids: ±5% Sludge Blanket: ±2% Turbidity: ±5% | Multifunctional Relay | Clean / Period Alarm / Error Alarm |
| Temperature Probe | NTC | Relay Delay | 0 to 120 seconds |
| Temperature Range | 0.0°C to +50.0°C | Fieldbus Connection | RS-485 Modbus |
| Temperature Resolution | 0.1°C | Baud Rate | 9600 / 19200 / 38400 |
| Temperature Accuracy | ±0.2°C | Protection Class | IP65 |
| Ambient Temperature | 0°C to +70°C | Display | LCD dot matrix |
| Analogue Output | 2 x 4-20mA electrically isolated, Max load 500Ω Current 1 Suspended Solids Sludge Blanket Turbidity Current 2 Temperature | Language Selection | English Others upon request |
| Control Outputs | 2 x Relay Outputs 1 x Multifunctional Relay | Electrical Connection | 90 to 260 VAC or 24 VDC Power consumption <5W |
| | | Data Logging Capacity | 500,000 |
| | | USB Function (PSS6000 only) | Data extraction Software update |
| | | Dimensions | PSS6000 144(H) x 144(W) x 105(D) mm PSS800 108(H) x 108(W) x 140(D) mm |
| | | Panel Cutout | PSS6000 138 x 138 mm PSS800 92 x 92 mm |
| | | Weight | PSS6000 0.85 kg PSS800 0.55 kg |
| | | Installation | Panel / Wall / Pipe mount |

Dimensions

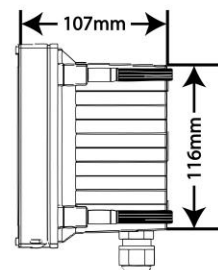
6000 Series



FRONT VIEW

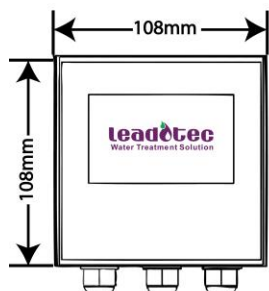


PANEL CUTOUT VIEW

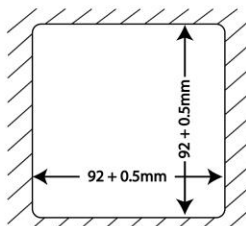


SIDE VIEW

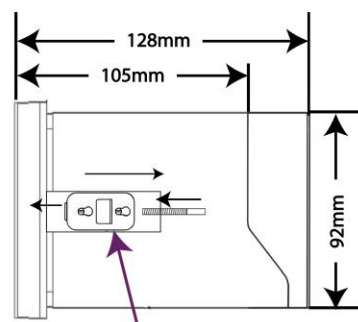
800 Series



FRONT VIEW



PANEL CUTOUT VIEW



SIDE VIEW

Design outlook subjected to change without prior notice.

Dimensions of PSS6000 and PSS800

Order Code

| Part No. | Description |
|----------------------|--|
| PSS6000 | Suspended Solids / Sludge Blanket / Turbidity IP65 Panel / Wall / Pipe mounted base analyzer fitted with 2 x 4-20mA, 2 x relay outputs, 1 x multifunctional relay, RS-485 Modbus, and 1 x USB slot for data extraction and software update. Power supply: 90~260 VAC |
| PSS800 | Suspended Solids / Sludge Blanket / Turbidity IP65 Panel mounted base analyzer fitted with 2 x 4-20mA, 2 x relay outputs, 1 x multifunctional relay, and RS-485 Modbus. Power supply: 90~260 VAC |
| PSS6000-24VDC | Suspended Solids / Sludge Blanket / Turbidity IP65 Panel / Wall / Pipe mounted base analyzer fitted with 2 x 4-20mA, 2 x relay outputs, 1 x multifunctional relay, RS-485 Modbus, and 1 x USB slot for data extraction and software update. Power supply: 24 VDC |
| PSS800-24VDC | Suspended Solids / Sludge Blanket / Turbidity IP65 Panel mounted base analyzer fitted with 2 x 4-20mA, 2 x relay outputs, 1 x multifunctional relay, and RS-485 Modbus. Power supply: 24 VDC |