

MLSS System



Features & Benefits

Potence Controls PCMLSS is a great choice for the wide range measurement which is possible to monitor MLSS concentration in the aeration basin. It is designed as a concept of easy installation for a user-friendly experience.

Pursuing a balance between required functions and cost and delivering a high level of Cost performance.

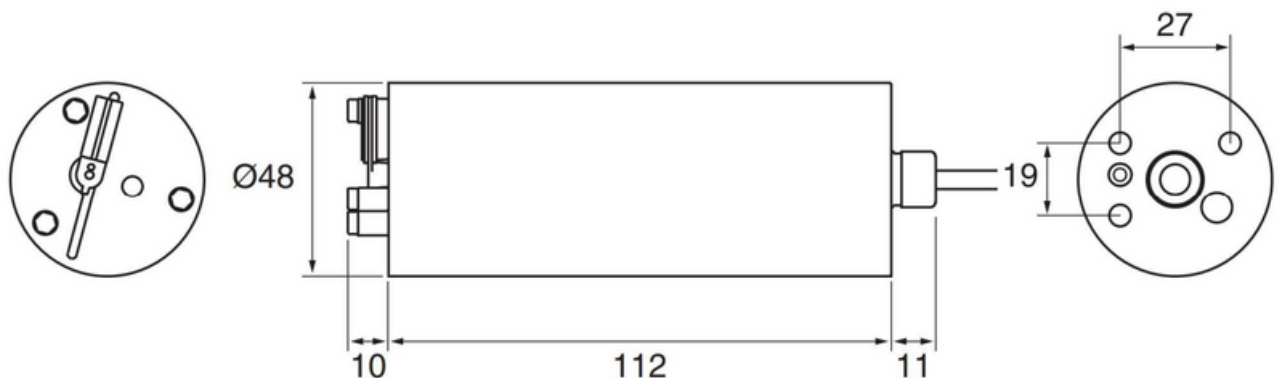
The built-in wiper cleaning system keeps lenses clean. The optical windows are made of hard to scratch sapphire glass. Compact design makes it user friendly which is easy for installation.

- Built in Wiper Cleaning System
- Maximum Range of 50,000 mg/L
- Easy Installation, Simple Operation
- Easy Calibration
- Easy to clean Scratch-proof Sapphire glass

Sensor Specifications

Measurement Range	: 0 - 50,000 mg/L
MOC	: SUS316L, Sapphire glass, Fluorocarbon rubber, EPDM, PVC (cable)
Communication	: MODBUS RTU
Cleaning System	: Wiper cleaning system
Operating Temperature	: 0 - 50°C
Degree of Protection	: IP68, maximum depth of 2 meters
Sensor Cable Length	: 9m
Dimensions	: $\Phi 48$ x 133 mm
Weight	: Approx. 1.1 kg

Dimensional Drawing



All dimensions in mm

Optical Digital Controller



Features & Benefits

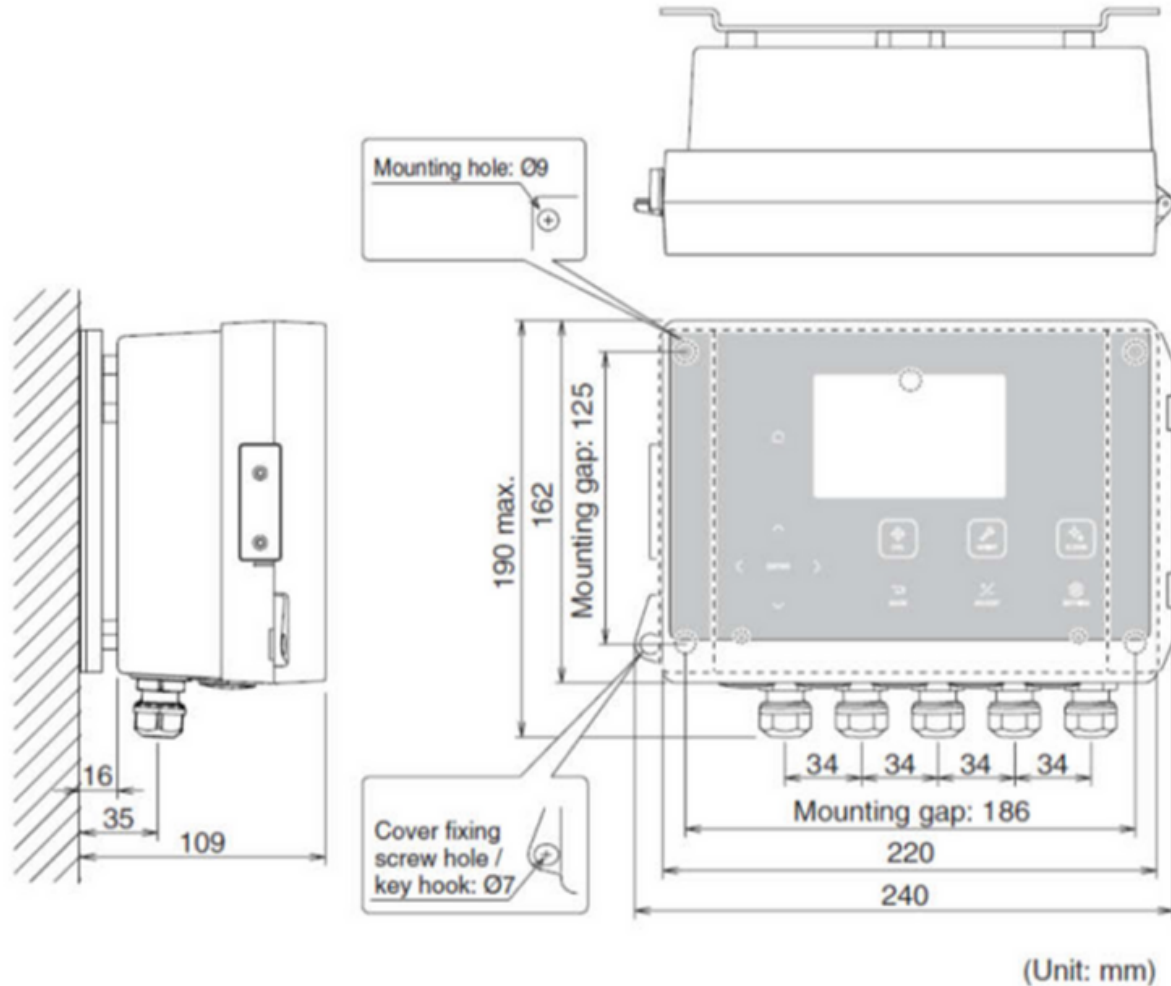
Potence Controls PC210D a new transmitter which provides excellent usability and operability. Our sensors can be connected multiply. This transmitter that can measure a variety of water quality items and have excellent system expandability. The iconic control buttons and display screen make it easy for anyone to setup. Control panel and monitor screen that can be seen clearly even in the dark. Screwless terminal block. A color nameplate is attached to the terminal block so that the wiring color can be checked by color, preventing incorrect wiring.

- Can measure a variety of water quality terms
- Have excellent system expandability
- Intuitive and easy to understand operation
- User-friendly wiring
- Water jet proof type

Specifications

Power Supply	: 100 - 240 VAC \pm 10% 50/60 Hz
Retransmission Output	: 4 - 20mA output
Relay	: Self Checking output (Potential Free) Alarm output (Potential Free)
Operating Temperature	: -20 to +50°C Humidity: 95% Rh Max.
MOC	: Polycarbonate
Degree of Protection	: IP65
Response Time	: Approx. 20s to respond to 90% Concentration
Linearity of the System	: \pm 10% of R.S or \pm 1000mg/L (less than 10,000mg/L) : \pm 5% of R.S or \pm 500mg/L (over 10,000mg/L)
Accuracy of the System	: \pm 3% of R.S or \pm 300mg/L (whichever is greater)
Repeatability of the System	: \pm 3% of R.S or \pm 300mg/L (whichever is greater)
Dimensions	: H x W x D approx. (162 x 240 x 75mm)

Dimensional Drawing



Ordering Information

Model Number:

PCMLS50KD : MLSS Sensor : MLSS Range 0 - 50000 mg/L ; SS316L Body; 9 Meter Cable
 PC210D : MLSS Controller : 100 - 240 VAC ; 4 - 20 mA Output ; Relays

In the interest of improving and updating, PCPL reserves the right to alter specifications at any time.