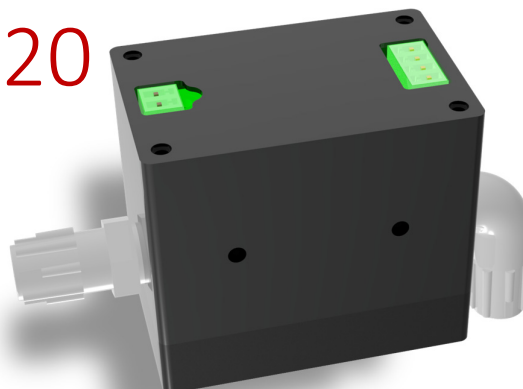


Lighthouse™ PSM-20

PID Smart Module

Description

The Lighthouse PSM-20 is designed to incorporate and support the most common PID sensors available today. Lighthouse provides a controlled environment to maximise performance of most all PID sensors.



The number of applications for photoionization sensors continues to grow but performance of these sensors is dependent upon proper conditions being maintained. PID sensors do not perform well without careful design of the instruments that employ them. Temperature extremes should be avoided, pressure should be stable and condensation of moisture can never be allowed.

Features

- **Signal Correction** – The temperature and humidity calibration algorithm actively corrects temperature drift and humidity interference.
- **Power Efficient** – Insulated and compact design allows tight temperature control with low power consumption.
- **Stable Performance** – False alarms are greatly reduced or eliminated by careful control of the sensor environment.
- **Sample Filtering** – Particulates and entrained moisture are removed from the sample to protect the sensor.
- **Factory Calibration** – Lighthouse can be configured with the desired PID sensor and factory calibrated to be ready to use upon delivery.

Specifications

Physical characteristics

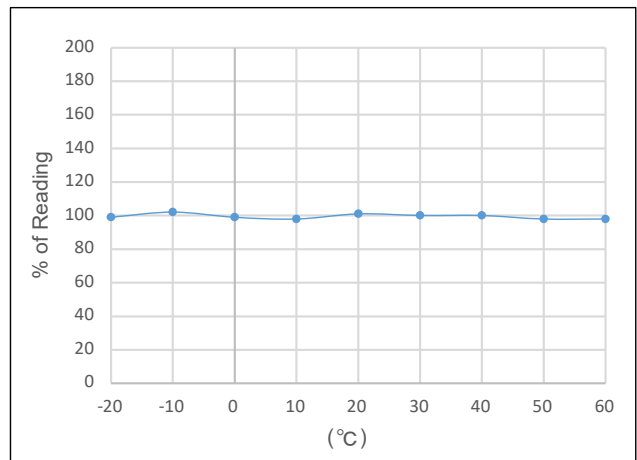
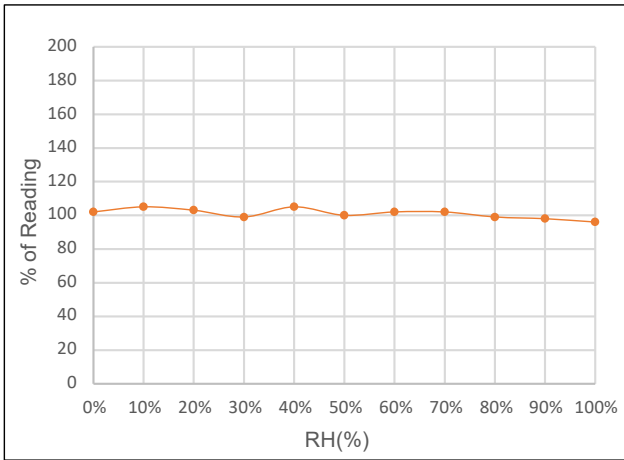
Weight	~ 300g
Enclosure	Corrosion Resistant
Calibration Flow	200-300mL/min
Dimensions	81.8 x 60 x 40 w/Bracket
Sampl Flow	200-300mL/min
Mounting	M3 screw, optional bracket
Inlet/Outlet	6mm OD

Electrical characteristics

Power V	5VDC
Wattage	< 2.5 W
Output	RS485
Temp Var	≤2%F.S.
Humidity Var	≤5%F.S.
A/D Resolution	24bits
Update Rate	1 Reading/Second

Working Temp	-20°C ~ 60°C
Working Humidity	0 ~ 95%

Corrected Signals



Physical Dimensions

