## **Product Specifications**

## **Overview**

**Process Signal Logger** 

PL PRECISION LOGGERS

Precision Loggers<sup>™</sup> Process Signal Logger is an innovative tool for powering, reading, and recording industrial analog sensors. It is a highly versatile logger, with an integrated configurable power supply capable of generating anywhere from 5 to 24 volts. A builtin 16-bit analog-to-digital converter (ADC) can be set up to accept sensor outputs of 3.3V, 5V, 10V, or 4-20mA. Fully wireless, the logger communicates using Bluetooth<sup>®</sup> Low Energy (BLE) technology and recharges inductively.

## **General Specifications**

Dimensions:	116 mm × 42 mm × 15 mm
Weight:	100 grams (approx.)
Battery:	2 000 mAh rechargeable lithium polymer
Charging System:	Wireless
Communication:	Bluetooth® 5
Mounting:	Magnetic
Clock Accuracy:	± 2 seconds per day
Sampling Methods:	Continuous or stop when full
Operating Temperature Range:	-10 °C to 60 °C
Computer Hardware Requirements:	Bluetooth LE adapter
Computer Software Requirements:	Precision Loggers application
Operating System Software Compatibility:	macOS and Windows. More support under development
Memory Size:	8 000 to 32 000 readings
Number of Channels:	1 to 4
Extra Channel Types:	None

Approximate Logging Time > 1 month on Full Battery:

## Applications

Tracking inventory in storage tanks
Monitor pressure in compressed air lines
Measure wind speed or flow rate
SCADA troubleshooting



Sensor Specifications

Power Supply Voltage Range:	5V to 24V
Maximum Power Supply Current:	40mA
Accepted Sensor Outputs:	3.3V, 5.0V, 10.0V, 4-20mA
Sensor Resolution:	16-bit
Typical Gain Error:	0.01% full scale

