Overview

Temperature Logger

Precision Loggers™ Temperature Logger uses a next-generation miniature sensor to measure and record temperature. This logger is ideal for quick and accurate temperature graphing in a diverse range of applications. Fully wireless, it communicates using Bluetooth® 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:	-20 °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
Extra Channel Types:	N/A
Approximate Logging Time on Full Battery:	> 1 month

Applications

◊ Verifying food processing temperatures
◊ Storage of pharmaceuticals
◊ Monitoring transportation of temperature-sensitive goods
◊ HVAC system testing, troubleshooting, and balancing

Sensor Specifications

Media:	Air, non-condensing
Measurement Accuracy:	±0.1°C
Sensor Resolution:	16-bit