

Product Specifications



Relative Humidity Logger

Overview

Precision Loggers™ Relative Humidity Logger uses a next-generation miniature sensor to measure and record relative humidity (RH) in air. From monitoring sensitive lab equipment to ensuring products are cured at an appropriate rate, the combination of relative humidity and temperature measurement opens up a diverse range of applications. Fully wireless, the logger 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:	-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 2
Extra Channel Types:	Temperature
Approximate Logging Time on Full Battery:	> 1 month

Applications

- ◇ Monitoring shelf life of pharmaceuticals
- ◇ Troubleshooting and commissioning HVAC systems
- ◇ Detecting fluctuations in RH in art-preservation environments



Sensor Specifications

Media:	Air, non-condensing
Measurement Accuracy:	±1.0% Relative Humidity, ±0.1°C
Sensor Resolution:	16-bit
Maximum Non-Condensing Humidity Exposure:	100% RH
NIST-Tracable Calibration:	True