MINNOW
Temperature and Humidity Data Logger

Description:

The Minnow logger is a portable, battery operated, temperature and humidity data logger able to store 65,520 samples of both temperature and humidity along with a time stamp. The Minnow logger runs off of a CR2450 coin cell battery that enables it to run for up to 4 years.

A free PC application is provided with the Minnow logger and communications are made via a micro USB connector on the side of the unit. The PC application is meant for configuration, data extraction and analysis.

The Minnow logger can be started via three modes: push button start, scheduled start or on disconnect from the PC. The Minnow logger can also be run as a Real Time Logger allowing data to be observed on the PC application as it happens.

The circuit assembly is coated to protect the electronics from wet and condensing environments.

The Minnow is available with an optional NIST traceable single point calibration at any temperature between 15°C and 35°C. Once calibrated the unit is accurate to +/-0.1°C within +/-5°C of the calibration point.

Sensors:
Temperature
- Range: -30°C to 80°C (-22°F to 176°F)
- Resolution: 0.01 °C (0.02°F)
- Accuracy: +0.3°C (5 to 60°C) else +1.0°C
                +0.5°F (41 to 140°F) else +2.0°F

Humidity
- Range   0% to 100% RH
- Resolution   0.01% RH
- Accuracy   +2% (20% to 80%RH),
                +5% otherwise

Connection:
- USB micro-B connector for data and power
- USB cable included with unit

Dimensions:
- 53mm x 33mm x 15mm (2.1" x 1.3" x 0.5")

Run Modes:
- Start on button press
- Start at scheduled time
- Start on disconnect
- Real time logging (displays real time data when connected)

Real Time Clock:
- Time automatically synced to PC when configuring
- Battery backup. Unit continues to keep time when unit is off
- Accuracy: 0.50 sec/day (~3 min/year) between -15°C and 60°C

Power:
- User replaceable CR2450 battery
- Up to 4 year battery life while logging