

MEDICAL, PHARMACEUTICAL & VETERINARY TEMPERATURE & HUMIDITY

DATA LOGGERS

Fields of Application:

- Pharmaceutical Industries
- Laboratories
- Chemistry
- Life Science
- Hospitals
- Medical research institute/ Medical technology

1. **ZOGLAB NANO-T-DP-07**

Compact size, integrated with USB interface for convenient data collection.

Best for vaccine and chemical temperature monitoring.



Specifications:

- Temp range: -30C~70C
- T Accuracy: $\pm 0.3C$ at ($23C \pm 2C$); Other range $\pm 0.5C$.
- T resolution: 0.1C/0.2F
- Recording Circle: 7days(2017units); 15days(4323units);
- Recording interval: 5 minutes
- Start/End recording: Software or Magnets
- Alarm: Alarm mark + Led flashing
- Power: Rechargeable lithium cell (3.6V)
- Dimensions: 79*22*7.4mm LCD size: 21.5*5.5m
- Weight: 12g
- Housing material: ABS+PC
- Protective class: IP64
- Certificates: CE, FCC, Factory calibration certificate

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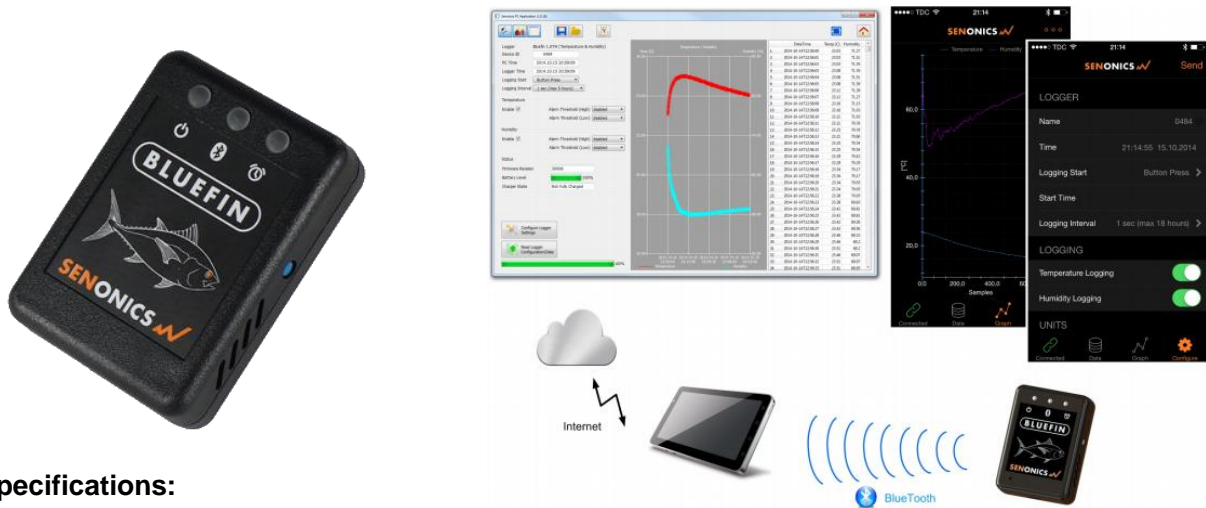
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Auckland 2013

E: sales@testequipment.co.nz T: 0221 (TEST NZ) 8378 69

2. SENONICS BLUEFIN

Portable wireless temperature data logger.

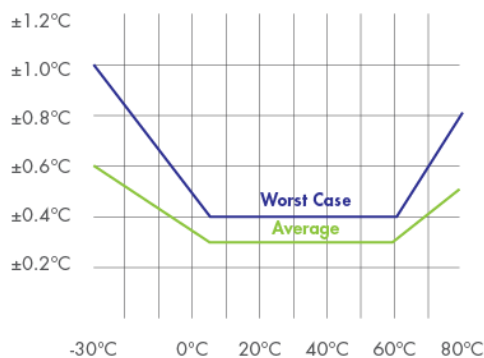
Best for transport of sensitive/ fragile items (medicines and organs).



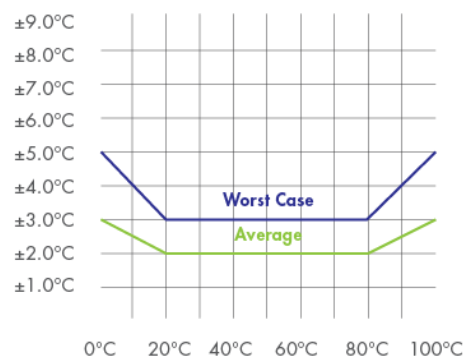
Specifications:

- Temperature range: -20C to + 60C
- Temperature accuracy (if calibrated): +/-0.1C (within 15C of calibration point)
- Temperature accuracy (+5C to +60C): see temperature accuracy plot
- Temperature resolution: 0.04C
- Battery: Rechargeable Lithium Polymer
- Battery life: 6 months (before next charging)
- Physical size: 50mm x 68mm x 20mm
- PC application available on Windows XP, Vista, Windows 7, Windows 8 and Mac PC
- Wireless connection range: 12 meters
- Logging space: 40000 temperature samples

Temperature Accuracy



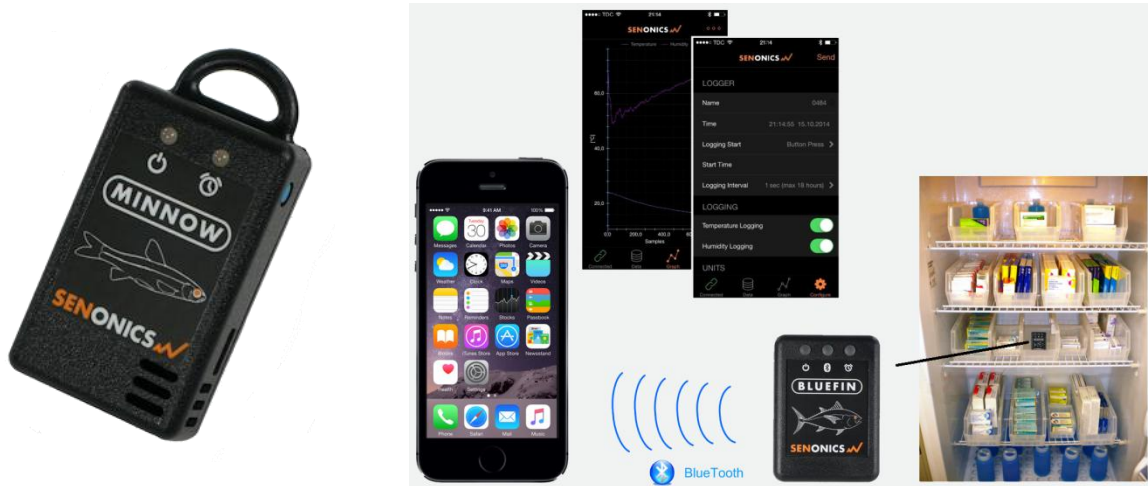
Humidity Accuracy (at 25°C)



3. SENONICS MINNOW

Portable temperature data logger with large memory size.

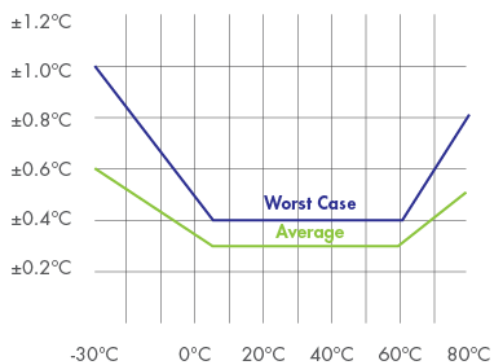
Best for transport of sensitive/ fragile items (medicines, chemicals and organs).



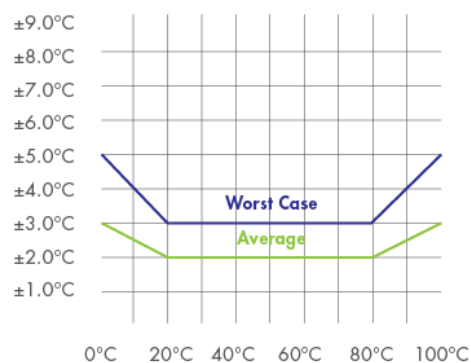
Specifications:

- Temperature range: -30C to 80C
- Temperature accuracy (if calibrated): +/-0.1C (within 5C of calibration point)
- Temperature accuracy (-30C to +80C): see temperature accuracy plot
- Temperature resolution: 0.01C
- 65520 Storage item
- Temperature alarm
- Battery: CR2540 coin cell
- Battery life: up to 4 years logging
- Physical size: 35mm x 60mm x 15mm
- PC application available on Windows XP, Vista, Windows 7, Windows 8 and Mac PC
- Logger identifier: 16 characters

Temperature Accuracy



Humidity Accuracy (at 25°C)



4. LASCAR EL-USB-1-LCD

Portable, integrated with USB interface for convenient data collection.

Best for pharmaceutical fridge monitoring and transportation.



Specifications:

- Temperature Data Logger with LCD
- -35 to +80°C (-31 to +176°F) measurement range
- measures and stores up to 16,378 temperature readings
- USB interface for set-up and data download
- User-programmable alarm thresholds
- High contrast LCD, with two and a half digit temperature display function
- Immediate, delayed and push-to-start logging
- Calibration certificate available
- Protective class: IP67 standard

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5. MSR 145

World's first miniaturised data logger to have integrated temperature, humidity, pressure, light and 3-axis acceleration sensors.



Specifications:

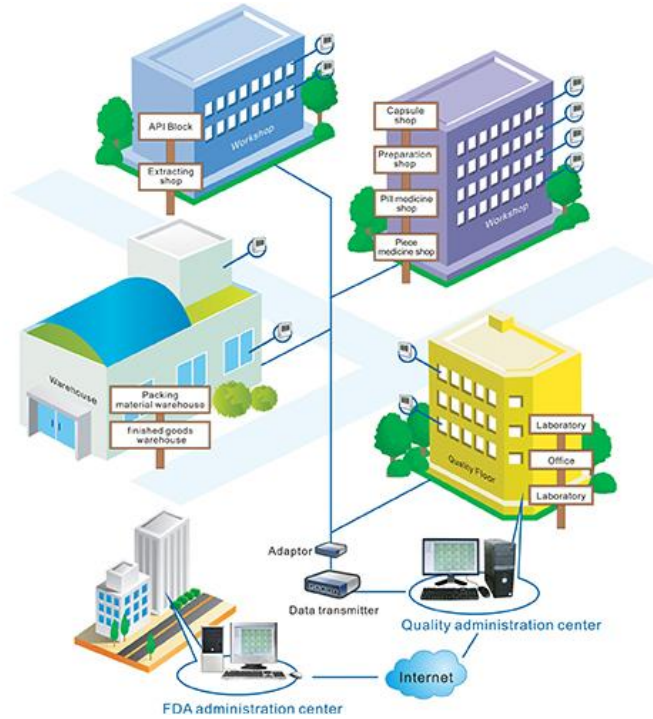
- Memory capacity: Over 2000000 measured values – expandable to over 1bn measured values with optional microSD card.
- Push-button: Set bookmark or start and stop recording.
- LED: blue: Record indicator red: Alarm indicator yellow: Battery change indicator
- Power supply: • Lithium-polymer battery, 260 mAh or 800 mAh. • The battery is charged via the USB connection
- Options: Charging station (USB hub) for 7 MSR145
- Interface: USB
- PC software: Free Setup, Reader, Viewer and Online software (Windows XP / Vista / 7 / 8) to record and evaluate data. All measured values can be rapidly transferred to a PC via USB connection both during the measurement operation and once the measurement task has been completed. Thanks to the integrated clock (RTC), data from as many MSR145 units as required can be synchronised and merged into a single data record.
- Operating conditions: Storage conditions: • Temperature -20...+65°C • Temperature +5...+45°C (ideal storage conditions for the battery) • 10...95% relative humidity, non-condensing
- Temperature: ext.: -10...+58°C, Accuracy: $\pm 0.1^{\circ}\text{C}$ (+5...+45°C) $\pm 0.2^{\circ}\text{C}$ (-10...+58°C)
ext.: -55...+125°C, Accuracy: $\pm 0.5^{\circ}\text{C}$ (-10...+65°C) $\pm 2^{\circ}\text{C}$ (-55...+125°C)
int.: -20...+65°C, Accuracy: $\pm 0.5^{\circ}\text{C}$ (-10...+65°C) $\pm 2^{\circ}\text{C}$ (-55... +125°C)
- Standards: The MSR145 complies with EU-Directives RoHS / WEEE.

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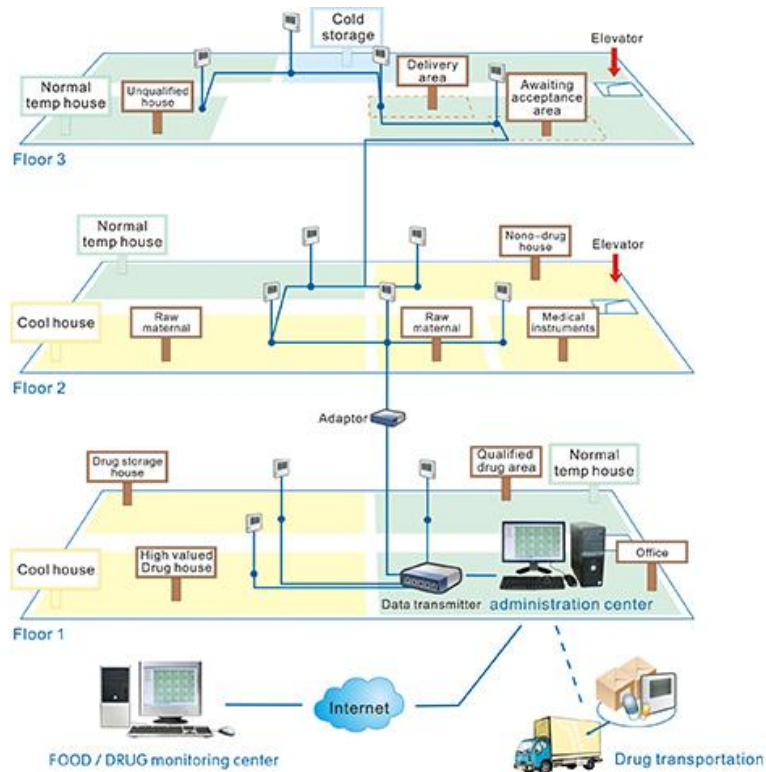
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Temperature and humidity solutions for Pharmaceutical production



Temperature and humidity solutions for Pharmaceutical logistics



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World Wide Customer References

Johnson & Johnson

 **Abbott**


 **UniversitätsSpital
Zürich**



AstraZeneca 

University Hospital Zurich

zhaw

 Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Zurich University of Applied Science

ART, Swiss Federal Agroscope
Research Institute


NOVARTIS

 **Nestlé**

EMPA 

Materials Science & Technology




Margiotti & Kroll
PEDIATRICS, P.C.

 **BOSCH**

medbase


RIJK ZWAAN


Stockholm
University

SIEMENS



 **Smart Automation Oy**


Roche

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