

Digital Sensors for Temperature & Environmental Monitoring

- Asset Protection
- Compliance Automation
- Reducing Tedious Manual Process

Affordable, plug-and-play solutions that make monitoring, alerting and reporting a snap.


Turnkey kits that install in minutes and deliver ROI for years are simple to buy, easy to install and configure and supported by U.S.-based phone support.

When combined with our ability to monitor other conditions with third-party sensors, including air quality, gases, power usage, vibration and motion.

From ULT/Cryo to high heat temperatures as well as air pressure differential, relative humidity and CO2, Sonicu delivers a robust portfolio of monitoring options. Coupled with our SoniCloud software platform as well as our automated NIST calibration program, Sonicu has vast experience helping healthcare and life science professionals compliant.

All available on your mobile device so you're never far from your critical conditions and environments.

Typical Applications Include

					
TEMPERATURE Refrigerators Freezers Walk-In Cooler Refrigerated Warehouse Cold-Chain Distribution	TEMPERATURE Blanket Warmers Incubators Food Warmers Food or Livestock Producers Industrial Applications	HUMIDITY Compounding Rooms Warehouses Clean Rooms Surgery Rooms Research Labs	DIFF. AIR PRESS. Compounding Rooms Surgeries and Isolation Rooms Clean Rooms Construction Sites HVAC Systems	CRYOGENIC Cryogenic Freezers Liquid Nitrogen Dewars Cryotherapy Biologic In-Vitro Flash Freezing	INCUBATOR Incubator Life Science Research

“SNAP” Calibration: Confidence. Convenience. Cost-effectiveness.

Compliance is a “SNAP.” Enrollment in Sonicu’s SNAP Calibration program ensures your sensors are accurate, properly calibrated, and regulatory compliant. Sonicu automatically provides new sensors with NIST traceable calibration certificates before your sensor’s expiration date. Compliance is completed by removing the old sensor and snapping in the new one.



Sonicu Digital Sensor Information

Glycol-Buffered Temperature Sensor



Includes NIST Calibration Certificate

Glycol buffered sensor is ideal for cold storage applications including medical freezers and refrigerators. Best choice for vaccines, medications, and biologic materials storage.

Product No.
100234

Temperature Range	Accuracy
-55°C to +30°C / -67°F to 86°F	+/- 0.5° C

Ambient Temp & Humidity Sensor

Includes NIST Calibration Certificate

Combined temperature and humidity sensor is ideal for monitoring conditions in clean rooms, surgeries, labs, compounding pharmacies, warehouses, etc.

Product No.
114100



	Range	Accuracy
Temperature	-10°C to +80°C / 4°F to +176°F	+/-0.4°C
Humidity	0 – 100% RH	+/- 3% RH

Solid-buffered Temp Sensor

Includes NIST Calibration Certificate

Nylon buffered alternative when a glycol buffered sensor is not required. A great choice for cold-chain applications for med fridges, food storage, and transport.



Product No.
101234

Temperature Range	Accuracy
-55°C to +30°C / -67°F to 86°F	+/- 0.5° C

Air Pressure Differential Sensor

Includes NIST Calibration Certificate

Monitors air pressure between rooms to maintain safe environment. Kits include air duct, wall plate, and ceiling mount. Listed product is for critical environments.

Industrial pressure sensors also available.



Product No.
114600

Pressure Range	Accuracy
± 0.5 in water	0.001 in water

Non-Buffered Temperature Sensor

Includes NIST Calibration Certificate

Non-buffered sensor designed for warm storage applications including blanket warmers, food warmers, incubators, etc. Also used for cold storage when a buffered sensor is not needed.



Product No.
100181

Temperature Range	Accuracy
-55°C to +125°C / -67°F to 257°F	+/- 0.5° C

Ultra-Low Temperature Sensor

Includes NIST Calibration Certificate

Use for sensing top level of LN2 dewars as low as -80°C.

Cryogenic sensors also available for even colder, bottom-level monitoring.



Product No.
101231

Temperature Range	Accuracy
-205° to 150°C / -337°F to 302°F*	+/- 0.25°C

*Default calibrations are -10° to -80°C / 14°F to -112°F according to ISO scope. Custom Calibrations available.

Incubator Sensor

Includes NIST Calibration Certificate

The incubator monitoring solution includes temperature, humidity and CO₂, making it the ideal, cost-effective platform for life science professionals.



Product No.
114500

CO ₂ Range / Accuracy	0-25% CO ₂ / 0.5% CO ₂ + 3%
Temp Range / Accuracy	-10 to 80 °C / 14°F to 176°F; +/- 0.4 °C
Humidity Range/ Accuracy	0 - 80% RH; +/- 3% RH

Warm-Buffered Sensor

Includes NIST Calibration Certificate

Use for measuring temperatures in warm environments. Applications: Warming ovens, incubators, blanket warmers in medical, research, and industrial.



Product No.
101279

Temperature Range	Accuracy
Up to 105°C / 221°F	+/- 0.5° C