

SoniShield Duo

Compatible with any combination of two Sonicu NIST certified digital sensors, the Duo utilizes the most advanced wireless technology to provide the most efficient and simple wireless monitoring experience available.



• Asset Protection • Compliance Automation • Operational Efficiency

Onboard Bluetooth enables a wireless local display ideal for vaccine compliance and a powerful SoniCloud App wirelessly configures the Duo in seconds.

Built-in rechargeable battery and on-board memory provide unparalleled redundancy for continuous monitoring.

The SoniShield Duo is ideal for monitoring refrigerators, freezers, ambient conditions, room pressure, and other areas where monitoring is needed.

Coupled with SoniCloud, our powerful mobile app (for Android and iOS), users experience unsurpassed visibility and convenience. Everyday operations like responding to temperature alarms or viewing trended sensor data are quickly accomplished.

SoniShield Display:

Easy-to-Read
E-Ink Display

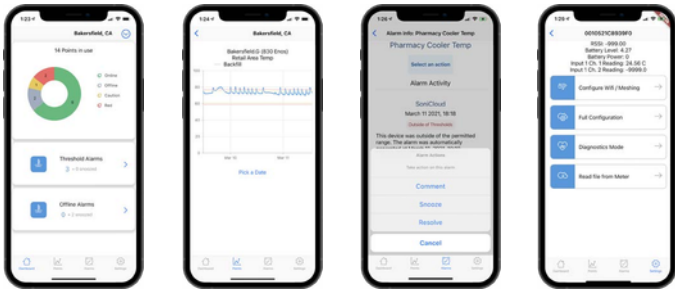


Optional Display supported by the SoniShield Duo's onboard Bluetooth, perfect for vaccine refrigerators or freezers, ambient conditions, and other areas where a local display is required.

Our Advantages

- Sonicu solutions deploy quickly and support Wi-Fi, Ethernet, and Ethernet with Cell Failover
- On-board memory storage protects data during network interruptions and automatically uploads stored data to SoniCloud via DataSync.
- When a power outage occurs the Duo automatically switches from 110V operation to battery power and continues automated monitoring.
- Sonicu's SNAP Calibration Program ensures regulatory compliance by providing freshly calibrated NIST sensors with NIST Certificates before current sensors expire.

Android and iOS App Functions



Summary Views

View Temp Logs

Respond/Resolve

Hardware Config.

Additional App Functions: Enterprise dashboard, active alarm summary, alarm details, network connectivity, configuration, file upload, zone view, and more!

Applications & Industries

Cold temperature, extended range for -80°C ULT, ambient temp and humidity, solid and glycol buffered product simulator, LN₂, room air pressure.

Industries include: hospitals, pharmaceutical, public health clinics, research labs, data centers, food safety, and industrial.

Specifications

External Ports: Two sensor input ports
One Micro-USB charging port

Construction: Rugged, ABS plastic housing

Dimensions: 3.87" x 2.51" x 1.20"

Weight: 0.39 lbs.

Radio Protocols: 4G/5G Cellular, with GPS
Wi-Fi 802.11 b/g/n 2.4GHz
Wi-Fi 802.1x authentication
LoRaWAN

Power Modes: 5200 mAh, Li-ion polymer 3.7V long-life rechargeable battery
5V 1A DC adapter, 6ft cable (included)

Enterprise Security: Wi-Fi: WPA2; Cellular: standard encryption to tower, virtual private network (VPN) to cloud, completely secure

Storage: 32GB

Operating Temp: -10°C to $+40^{\circ}\text{C}$

Operating Humidity: 10 to 85% RH, non-condensing

Extension Cables: Flat 6-ft, 15-ft and 25-ft

Mounting: Adhesive or Magnetic/Screw Mount options available

Warranty: Warranted for duration of Sonicu Service Agreement

Part Number and Description

Duo-WF SoniShield Duo (WiFi)
Duo-SL SoniShield Duo (SoniLink)

Digital Sensor Options (NIST Calibrated)

100234 Glycol Buffered Temperature
Monitoring Range: -55°C to $+30^{\circ}\text{C}$
Accuracy: $\pm 0.5^{\circ}\text{C}$

101234 Solid Buffered Temperature
Monitoring Range: -55°C to $+30^{\circ}\text{C}$
Accuracy: $\pm 0.5^{\circ}\text{C}$

100181 Non-Buffered Temperature
Monitoring Range: -55°C to $+125^{\circ}\text{C}$
Accuracy: $\pm 0.5^{\circ}\text{C}$

101279 Warm Buffered Temperature
Monitoring Range: 0°C to $+160^{\circ}\text{C}$
Accuracy: $\pm 0.5^{\circ}\text{C}$

114200 Differential Pressure (for HVAC)
Monitoring Range: ± 4 in H₂O
Accuracy: ± 0.04 in H₂O
*Differential Pressure for Critical Environments also available; contact for more info

Ambient Temperature & Humidity		
	Monitoring Range	Accuracy
Temperature	-10°C to $+80^{\circ}\text{C}$	$\pm 0.4^{\circ}\text{C}$
Humidity	0-100% RH	$\pm 3\%$ RH

101231 Ultra-Low Temperature, 4" Stainless Sheath
Monitoring Range: -205°C to 0°C
Accuracy: $\pm 0.5^{\circ}\text{C}$

100261 Cryogenic (LN₂) Temperature, 15.5" Stainless Sheath
Monitoring Range: -205°C to 0°C
Accuracy: $\pm 0.5^{\circ}\text{C}$

CO ₂ Incubator (Temperature, Humidity, and CO ₂)		
	Monitoring Range	Accuracy
Temperature	-40 to 125°C	$\pm 0.3^{\circ}\text{C}$
Humidity	0 - 100% RH	$\pm 2\%$
CO ₂	0 - 25% CO ₂	$\pm 0.5\% + 3\% \text{ MV}$

Accessory Items (sold separately)

010503 USB Power Extension (adds 6 ft to Duo power cable)

113600 Magnetic/Screw Mount

SoniShield Duo Dimensions



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Get a free quote or demo

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