SONICU™
MONITORING. MEASURED.

Wireless Meter

Convenient Mobile App

SoniShield Duo
Digital Meter With Powerful Mobile App

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

Overview

Onboard Bluetooth enables a wireless local display ideal for vaccine compliance and a powerful new 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.

The SoniShield Duo is the most powerful and easy-to-use wireless monitoring device available. The Duo wirelessly transmits critical sensor data to the SoniCloud platform for 24/7 automated monitoring, visibility, and regulatory compliant reporting.

Coupled with the powerful new mobile app (for Android and iOS), users experience unsurpassed control and convenience. Everyday operations like responding to temperature alarms or viewing trended sensor data are quickly accomplished. Hardware setup and configuration tasks are accomplished in seconds using the app.

SoniCloud Mobile App For All Users
All users enjoy our enhanced interface experience using the new mobile app for Android and iOS.

SoniShield Display:
Easy-to-Read, E-Ink Display

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

Our Advantages

- Sonicu solutions deploy quickly and support WiFi, 4G/5G LTE, Ethernet, and Ethernet with Cell Failover options.

- 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, & 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 900 MHz (meshing)
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
Operating Temp:	-10 C° to +40 C°
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

110100	SoniShield-Duo-WiFi
110200	SoniShield-Duo-Cell (4G/5G LTE)
110300	SoniShield-Duo-900 MHz

Digital Sensor Options (NIST Calibrated)

100234	Glycol Buffered Temperature -55° C to +30° C
101234	Solid Buffered Temperature -55° C to +30° C
100181	Non-Buffered Temperature -55° C to +125° C
101279	Warm Buffered Temperature 0° C to +160° C
101275	Differential Pressure, DPS Range: +/- 4 inches water column Accuracy: +/- 0.25%
101212	Ambient Temperature & Humidity

	Range	Accuracy
Temperature	-10°C to +80°C	+/- 0.4°C
Humidity	0-100% RH	+/- 0.25%

100260	ULT (ultra-low temps) 4" Stainless Sheath, -205° C to 0° C
100261	Cryogenic (LN2) 15.5" Stainless Sheath, -205° C to 0° C

Accessory Items (order separately)

010503	USB Power Extension (adds 6 ft to Duo power cable)
113600	Magnetic/Screw Mount

SoniShield Duo Dimensions

1.2"

3.87"

Duo

2.51"

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