SONICU™
Monitoring Measured

Room Conditions Monitor ARC•430/440

Sonicu's All Room Conditions (ARC) Monitor w/Display is a regulatory-compliant solution for multiple conditions monitoring that requires local alarming and display.

SONICU SOLUTION

Sonicu's room conditions monitor tracks temperature, humidity, air pressure, air velocity and other critical conditions with a single, integrated unit.

Recent initiatives by the Joint Commission and other regulatory agencies requiring room conditions monitoring present significant challenges for healthcare administrators and facilities managers.

Retrofitting existing building automation systems can be expensive, time-consuming, and in some cases, impractical.

Sonicu's ARC monitors, wireless technology and cloud-based platform are convenient, cost-effective solutions to those challenges.
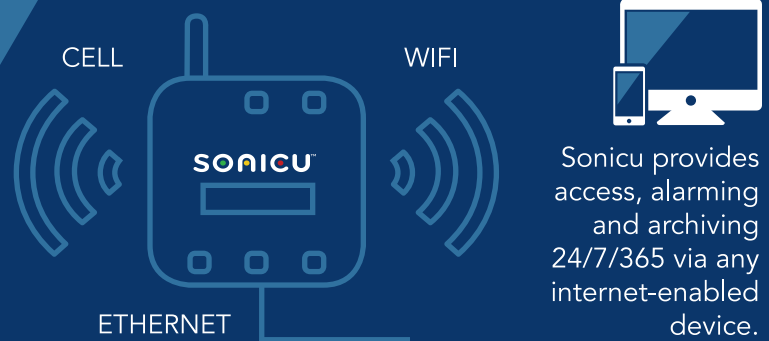
Flexible topography and data transmission capabilities allow ARC monitors to operate independently of existing IT systems. Sensor-to-cloud data delivery via 4G cellular, 900 MHz or Wifi eliminates hardwiring and retrofitting.

OUR ADVANTAGES

• Single, integrated unit simultaneously monitors multiple room conditions for maximum flexibility.

• Automated logging and auto-formatted reporting eliminate manual data entry and streamline regulatory compliance.

• Wireless sensor-to-cloud data transmission requires no additional hardware or software.

• Local data displays and alarms also available via text, phone call or email to user-designated recipients.

• Fully configured, easy to deploy and completely scalable.

• Onboard memory capable of storing years of data in the event of network outage.

• Device connectivity reports ensure all data packets are being transmitted.

APPLICATIONS & INDUSTRIES

The All Room Conditions Monitor w/Display is designed to monitor multiple conditions simultaneously with local alarming and display in healthcare, industrial/manufacturing, building automation, research/laboratories and food service.

CELL

WIFI

ETHERNET

Sonicu provides access, alarming and archiving 24/7/365 via any internet-enabled device.

Specifications

Ports		
ARC 430	3 x 4-20 mA 3 x Digital probe 1 x RS485 (modbus) 1x Differential Air Pressure	
ARC 440	4 x 4-20 mA 4 x Digital probe 1 x RS485 (modbus)	
Construction	ABS plastic housing	
Dimensions	7.62" x 4.62" x 2.25"	
Display	3.75" x 2.10" viewable full color touch screen	
Radio Protocols	4G Cellular, Wi-Fi 802.11 b/g/n, 900 MHz (meshing)	
Alarm	Audible-Configurable	
Power Modes	12v DC wall adapter	
Enterprise Security	Wi-Fi WPA2; Cellular: standard encryption to tower, virtual private network to cloud, completely secure	
Operating Temp	-10 ºC to +40 ºC	
Humidity	10 to 95% RH, non-condensing	
Cables	Flat 6-ft, 15-ft and 25-ft	
Mounting	Screw mount	
Warranty	Warrantied for duration of SoniCloud Subscription Agreement	

Any Department. **Any** Application. **One** Choice.

ARC Integrated Pressure w/ Display

101251	ARC 430 D WiFi
101252	ARC 430 D Cell (4G LTE)
101250	ARC 430 D 900 MHz

ARC Integrated Pressure w/o Display

101254	ARC 430 WiFi
101255	ARC 430 Cell (4G LTE)
101253	ARC 430 900 MHz

ARC 440 (no presure) w/ Display

101257	ARC 440 WiFi
101258	ARC 440 Cell (4G LTE)
101256	ARC 440 900 MHz

Differential Pressure Accessories

101267	Wall/Ceiling Pickup Tube (includes 8-ft hose)
101268	4-inch Duct Pickup Tube (includes 8-ft hose)
101269	8-inch Duct Pickup Tube (includes 8-ft hose)

Probes

100212	Digital Ambient Temp -40º C to 125º C Digital Humidity 0% to 100%
101262	Air Velocity Sensor (Air changes per hour)
101263	Door Closed Sensor
100180	Air Digital Snap, -55 ºC to +125 ºC

Accessory Parts

100040	Power Wall Adapter: 12V DC
100274	Flat 6-ft Probe Extension Cable
100280	Flat 15-ft Probe Extension Cable
100281	Flat 25-ft Probe Extension Cable