

# DQ-19 Wide Range Temperature - Door Ajar Sensor



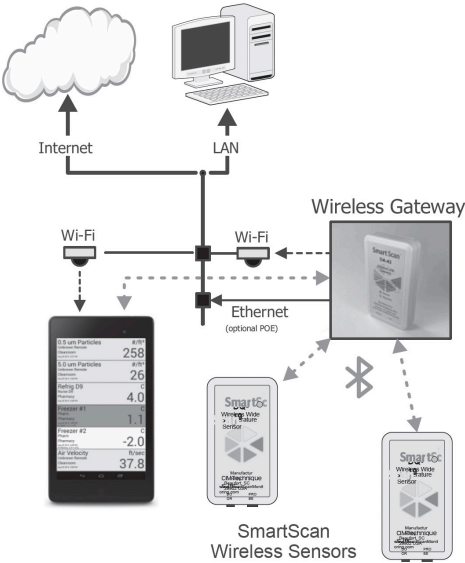
The DQ-19 is a self-contained, battery powered, wireless data acquisition unit (Base). It can interface with a wide variety of standard 1K ohm RTD probes and is able to perform temperature measurements between -200°C and 260°C.

The DQ-19 communicates with the CIMTechniques DA-43 and CS-31 Nodes to transfer the measured temperature data to our SmartScan Monitoring software.

Sample and Update Rates are set by the SmartScan Server and our SmartLinkDQ app available from the app store.

## Specifications

Parameter	Value
Temperature Range	-100° to +100° ± 0.5°C
	-50° to +260° ± 0.5°C
	-200° to +0° ± 0.5°C
Door Ajar	1 NC Input
Input Power	3.0 VDC (2xAA Batteries)
Buffer Memory	Up to 8K Measurements
Protocol	BLE 5.0
Encryption	128-bit AES
Receiver Sensitivity	-96 dBm at Mbps
Wireless Range	< 200' Indoors
IP Classification	IP 40
Physical Size	4.53" x 2.71" x 1.10"
Enclosure	Flame Retardant ABS
Weight	<6 oz (170 gm)



Contact us for more information

**1.843.521.9897**

smartscanusa.com  
 info@smartscanusa.com

# Scalable Environmental Monitoring



Temperature



Humidity



Carbon Dioxide



Particles



Air Flow

## Solutions

### Temperature

- Min -200 °C to Max +260 °C

### Humidity

- Min 10% RH to Max 90% RH

### Differential Pressure

- Min ±25 Pa (±0.1" of H2O)
- Max ±500 Pa (±2.0" of H2O)

### Third Party Devices

- Particle Counters
- Flow Sensors

### Infrastructure

- Stabilization Devices
- Door Ajar Detection
- Water Detection

## Data Collection Protocols

### Sensors & Probes

- Modbus / Sensorbus
- Bluetooth

### Gateways

- TCP/IP

## Certifications

### Calibration

- 17025 / NIST

### Manufacturing

- ISO 9001

## Monitoring

