

CS-31 Temperature - Humidity - Differential Pressure



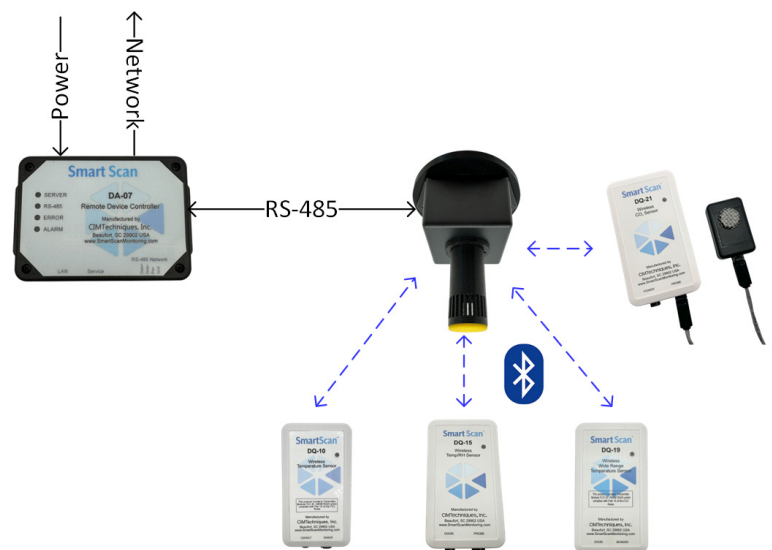
Specifications

Parameter	Value
Temperature	-40° to +90° ± 0.4°C
Humidity	10 - 90 %RH @25°C ± 2.5%
DP Range - A	± 25 Pa (0.1" H2O)
DP Range - B	± 50 Pa (0.2" H2O)
DP Range - C	± 100 Pa (0.4" H2O)
DP Range - D	± 250 Pa (1" H2O)
DP Range - E	± 500 Pa (2" H2O)
Wireless Protocol	BLE 5.0
Encryption	128-bit AES
Power Source	RS-485 Modbus Network
IP Classification	IP40
Enclosure	Flame Retardant ABS
	Anti-microbial optional
Weight	<6 oz (170 gm)

The CS-31 is your all in one temperature, humidity and differential pressure monitoring device. The ceiling or wall mounted base utilizes standard MODBUS communication protocol and the removable sensor design makes calibration in the EZ-Cal program very easy.

For appliance monitoring, the CS-31 Base is your gateway between our DQ Series of Bluetooth enabled temperature, humidity and CO₂ sensors and our monitoring servers.

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



Contact us for more information

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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

