DA-07 Gateway

The DA-07 MODBUS-to-Ethernet Gateway uses the facilities LAN to transfer environmental data from SMARTScan wired sensors and third party measurement devices using MODBUS RTU protocol to the cloud based SMARTScan monitoring system group of servers.

Received data is stored locally and buffered during network communication disruption or overall outages.

Specifications

Parameter	Value
Protocol	Modbus RTU
Ethernet Standard	IEEE 802.3
Buffer Memory	< 12.000 Measurements
Power Source	24.0 VDC
	MODBUS
Operating Temp.	-10°C to +60°C
Physical Size	4.53" x 2.71" x 1.10"
Enclosure	Flame Retardant ABS
Weight	<6 oz (170 gm)

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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 H20)
- Max ±500 Pa (±2.0" of H20)

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

Measurements from Remote Sensors

SQL Database

Web Services
Station Monitoring
Alert Services
To External Systems

Alerts

Abnormal Condition Detected

Generate Reports
PDF
Word
Excel Docs

SMARTScan™
Advanced Monitoring Solutions

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