Ideal for quick and accurate temperature and relative humidity recordings

INDOOR AIR QUALITY MONITORING

HVAC SYSTEMS, TESTING & BALANCING

PHARMACEUTICAL MANUFACTURING AND STORAGE

FACILITY MANAGEMENT BACKUP SYSTEM

BUILDING ENVELOPE MONITORING

ACR's SRX2 is perfect for your customized integrated IAQ Solution

FEATURES AND BENEFITS

Monitors Temperature, Relative Humidity & Process Signals

Capable of storing up to 1 million readings

Connect to a wide range of sensors to deliver a customized integrated solution with outstanding functionality

Can be calibrated to NIST standards to achieve the highest possible measurement quality

LED flashing alarm lights

16-bit resolution provides greater accuracy

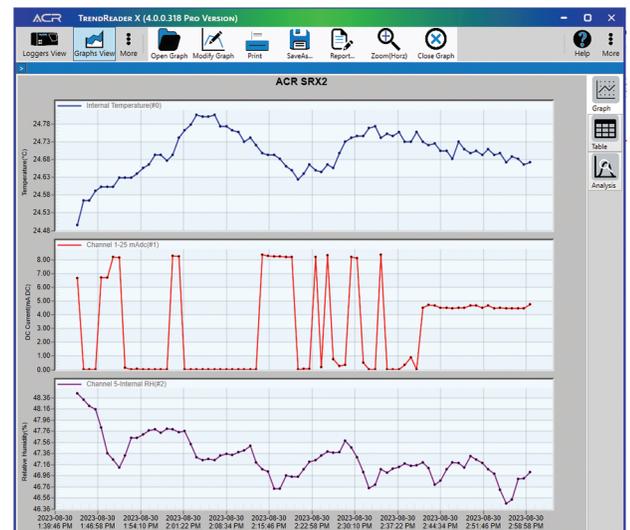Portable equations onboard the data logger ensure faster downloads and collaboration with less user intervention

One-button report generation. Wizards for Equations and programming = ease of use

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SmartReader SRX2 is a self-powered, multi-channel data logger that can monitor and record temperature and relative humidity on-board and remotely, plus a variety of popular Process Signals.

Operating Limits	-40°C to 85°C (-40°F to 185°F) 0 to 95% RH non-condensing Dry locations only
Resolution	16-bit, for greater accuracy
Memory Size	1 Million Readings
Sample Rates	10s to 24h
Clock Accuracy	± 1 seconds per day
Sampling Methods	Continuous (first-in-first-out) / Stop when full Immediate start / Delayed start - up to 2 months Spot / Averaged Readings
Alarm	2 high & low thresholds (warning and critical) per channel latch / self-reset: LED indicators Two open collector transistor switched outputs: • Closed max resistance = 4 to 5 ohms • Open Min resistance = 1M (if Vin more than 5V) OR 2M (if Vin less than 4V) • Max allowed Current = 350 mA • Max allowed Voltage = 15V

CHANNEL DESCRIPTIONS

• **Channel 0** – Internal Temperature Sensor
Resolution: 0.01°C
Range: -40°C - 85°C
Accuracy: ± 0.3°C
• **Channel 1,2** – DC current
Resolution: 16-bit
Range: 0 – 25mA DC
Accuracy: ± 0.5% Full Scale
• **Channel 3** – DC Voltage
Resolution: 16-bit
Range: 0 – 5V DC
Accuracy: ± 0.5% Full Scale

• **Channel 4** – DC Voltage
Resolution: 16-bit
Range: 0 – 10V DC
Accuracy: ± 0.5% Full Scale
• **Channel 5** – Internal Sensor RH
Resolution: 0.01 %RH
Range: 0 – 100 %RH
Accuracy: ± 2 %RH
• **Channel 6** – Reserved for external probe
Typical: EH-030 Temperature channel
• **Channel 7** – Reserved for external probe
Typical: EH-030 RH channel

ACCESSORIES

• External Temp & RH probe
-40°C to 85°C (-40°F to 185°F)
0 to 95% RH non-condensing
Dry locations only
Maximum cable length 25 feet
• Din Rail Mounting Bracket
• Mini USB Cable

STATUS INDICATOR

• Flash Rate: 10s
• Green – logging (optional)
• Blue – delayed start (optional)
• Red – critical alarm or memory full
• Yellow – warning alarm

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