

SmartReader SRX 2

SRX 2 Version®

Ideal for quick and accurate temperature and relative humidity recordings

INDOOR AIR QUALITY MONITORING



HVAC SYSTEMS, **TESTING & BALANCING**

MANUFACTURING AND STORAGE

PHARMACEUTICAL

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

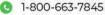
LED flashing alarm lights

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





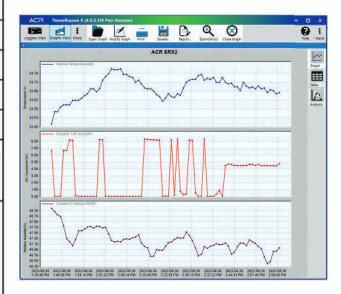


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SmartReader SRX2 is a self-powered, multi-channel data logger that can monitor and record temperature and relative humidity on-board and remotely, plus a variety of popular **Process Signals.**

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	1 min 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 Spet / 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 ehms 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

Accuracy: ± 0.5% Full Scale

Range: 0 - 5V DC

Range: 0 - 10V DC Accuracy: ± 0.5% Full Scale · Channel 5 - Internal Sensor RH Resolution: 0.01 %RH Range: 0 - 100 %RH Accuracy: ± 3 %RH · Channel 6 - Reserved for external probe Typical: EH-030 Temperature channel · Channel 7 - Reserved for

Channel 4 - DC Voltage

Resolution: 16-bit

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

 Yellow – warning alarm

· Magenta - memory full

REV: 0 - 09/05/23



