



Compressed-Air Dew Point Monitor

RHB-CAC1S2
Starts at

£2575



- ✓ NIST-Traceable
- ✓ Accuracy: $\pm 0.2^{\circ}\text{C}$
- ✓ Virtually Maintenance Free
- ✓ Easy to Install
- ✓ Self-Monitoring
- ✓ User-Programmable Audible and Visual Alarms and Relay Contact
- ✓ Programmable Automatic Balance Control (ABC)
- ✓ Widest Available Range of -60 to 50°C (-76 to 122°F)

These compressed-air dew point monitors have been designed to offer the highest level of reliability and accuracy available in such systems. They are fully NIST-traceable and employ a chilled-mirror sensor, the most accurate dew point sensing scheme available, to deliver consistent drift-free measurements without regular calibrations or sensor replacement.

These compressed-air monitors are complete dew point measuring systems. The rugged aluminum NEMA 12 (IP55) enclosure houses the sensor and control circuitry (including flow control), and is easily wall mounted to conserve space. Only the sample line and power connection are needed for the system to be operational.

The monitors also offer a programmable automatic balance control (ABC) cycle that corrects for the light-reducing effects of mirror contaminants and allows for continuous monitoring and virtually maintenance-free operation.

STANDARD FEATURES

- ✓ Programmable Automatic Balance Control (ABC)
- ✓ 8-Digit Alphanumeric Display
- ✓ User-Programmable Alarm
- ✓ Internal Flowmeter and Valve
- ✓ Audible and Visual Alarms
- ✓ Alarm Relay, Form "C"
- ✓ 4 to 20 mA (0 to 5 Vdc) Analog Output
- ✓ Microprocessor-Controlled
- ✓ Space-Saving Wall Mount

Specifications

Dew/Frost Point Range:

- 2-Stage (S2): -40 to 50°C (-40 to 122°F)
- 3-Stage (S3): -60 to 50°C (-76 to 122°F)

Dew/Frost Point Accuracy:

0.2°C ($\pm 0.5^{\circ}\text{F}$)

Functionality

Power: 90 to 250 Vac, 50 to 400 Hz

Operating Temperature:

0 to 50°C (32 to 122°F)

Sample Connection:

$\frac{1}{4}$ " compression fitting

Sample Flow Rate: 0.5 to 5 SCFH; integral flowmeter

Sample Pressure: 0 to 150 psig (higher pressures available, consult Engineering Department)

Output:

Analog: 4 to 20 mA (0 to 5 Vdc), -50 to 50°C (-58 to 122°F) or -60 to 75°C (-76 to 167°F)

Compliance: 9.0 Vdc, 450 Ω

Display: Red LED, 0.5" high; 8-digit alphanumeric

Alarm:

Audible: >98 dB @ 2'

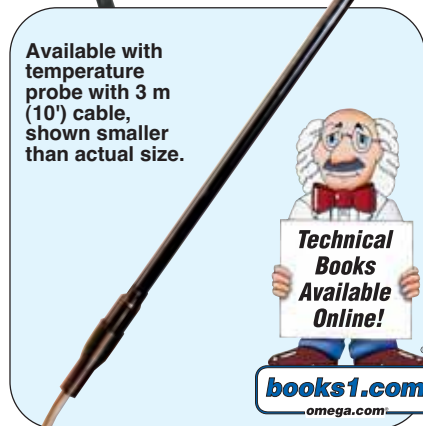
Relay: 1 form "C", non-latching; 10 A @ 240 Vac, 8 A @ 24 Vdc, $\frac{1}{2}$ hp @ 240 Vac

Visual: Flashing "ALARM" message



RHB-CA-C1S2, £2575, shown smaller than actual size.

Available with temperature probe with 3 m (10') cable, shown smaller than actual size.



MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

Model No.	Price	Description
RHB-CAC1S2	£2575	Compressed-air dew point monitor with 2-stage sensor
RHB-CAC1S2-RHB-ATP	3075	Compressed-air dew point monitor with 2-stage sensor and temperature probe with 3 m (10') cable
RHB-CAC1S2C	2775	Compressed-air dew point monitor with 2-stage sensor and fan cool
RHB-CAC1S2C-RHB-ATP	3275	Compressed-air dew point monitor with 2-stage sensor, fan cool, and temperature probe with 3 m (10') cable
RHB-CAC1S3	4400	Compressed-air dew point monitor with 3-stage chill mirror
RHB-CAC1S3-RHB-ATP	4900	Compressed-air dew point monitor with 3-stage chill mirror and temperature probe with 3 m (10') cable
ES-1501	57	Reference Book: Air Quality

Comes with complete operator's manual and NIST certificate.

Ordering Example: RHB-CAC1S2, compressed-air dew point monitor with 2-stage sensor, £2575.

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