

# Com.Air

## Dew point monitor for compressed air systems



Com.Air offers continuous and virtually maintenance free Dew point monitoring with many standard features:

- ▶ NIST Traceable
- ▶ 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 -103 to 122°F (-75 to 50°C)

### Reliable and Accurate

The Com.Air dew point monitor has been designed by EdgeTech to offer the highest level of reliability and accuracy available in compressed air system dew point measurement.

Backed by more than 35 years experience, this primary measurement technology is fully NIST traceable and utilizes a chilled mirror sensor, the most accurate dew point sensing scheme available, to deliver consistent drift-free measurements without regular calibrations or sensor replacement.

### Easy to Install and Operate

Com.Air is a complete dew point monitoring System. The ruggedized aluminum NEMA-12 enclosure houses the sensor, control circuitry, as well as flow control and is easily wall-mounted to conserve space. Only the sample line and power connection is needed for the system to be operational.

Com.Air also offers a programmable Automatic Balance Control (ABC) cycle which corrects for the light reducing affects of mirror contaminates and allows for continuous monitoring and virtually maintenance-free operation,

If your application demands uncompromising reliability, precision, flexibility and ease, contact your local EdgeTech representative or call us toll free at **800-276-3729**. Or visit the company's web site at [www.edgetech.com](http://www.edgetech.com); email at [h2o@edgetech.com](mailto:h2o@edgetech.com)



# Com.Air

## Performance Specifications

### MEASUREMENT

#### RANGE:

- ▶ Dew/Frost Point: Single-Stage(S1) : -10 to 122°F (-23 to 50°C)
- Two-Stage (S2): -40 to 122°F (-40 to 50°C)
- Three-Stage (S3): -103 to 122°F (-75 to 50°C)

#### ACCURACY:

- ▶ Dew/Frost Point: +/- .5 F (.28°C)

### FUNCTIONALITY

Power: 90 - 250 VAC, 50-400Hz

Operating Temperature: 32 to 122°F (0 to 50°C)

Sample Connection: 1/4" Compression Fitting

Sample Flow Rate: 0.5 - 5 SCFH; Integral Flow Meter

Sample Pressure: 0 - 150 p.s.i.g (higher pressures available - consult factory)

#### Outputs:

- ▶ Analog: 4 to 20mA (or 0-5VDC), Scaled for sensor
- ▶ Compliance: 9.0VDC, 450 ohms

Display: Red LED, 0.5" tall; 8 digit alphanumeric

#### Alarm:

- ▶ Audible: >98 dba @2ft.
- ▶ Relay: 1 Form C, NON-latching  
10A @240 VAC, 8A @24 VDC,  
1/2 HP @ 240 VAC
- ▶ Visual: Flashing "ALARM" message

### STANDARD FEATURES

- ▶ Programmable Automatic Balance Control (ABC)
- ▶ 8-digit Alphanumeric Display
- ▶ User Programmable Alarm
- ▶ Internal Flow Meter and Valve
- ▶ Audible and Visual Alarms
- ▶ Alarm Relay, FORM C
- ▶ 4 - 20 mA (or 0-5VDC), Analog output
- ▶ Microprocessor controlled
- ▶ Space saving wall-mount

### OPTIONAL FEATURES

- ▶ Extended Range Sensors
- ▶ RS232 Digital Output
- ▶ Pressure transducer (for gr/lb or PPMv measurement)
- ▶ In-line particulate/Coalescing Filter

