

6740 series transmitters for compressed air systems

APPLICATION: The **6742 and 6744** loop powered transmitters are designed to **detect dew point** of compressed air down to -45C. They are typically installed at the main compressor/ dryer header, but in many moisture sensitive processes, the 6744 or 6742 may be installed at the point of use.

DESCRIPTION: *The 6742 and 6744 loop powered transmitters continuously monitor dew point using polymer capacitance humidity sensors. Power requirements are 12-30 VDC and the sample port is a 1/2"inch male NPT via a sintered SS filter tip. The 6744 comes with a display and the 6742 has no display. The 6744 may be programmed to display DewPoint, Pressure DewPoint, Relative Humidity, Temperature, and Absolute Humidity.*

Model 6742 standard pressure dew point transmitter enclosed into an IP65 housing with ½" NPT straight thread connection, Dew point range -60C to +30C, Standard Analog output 4-20mA (2 wire), Supply voltage is 24VDC, Wire screw terminal connection, Pressure rating up to 50bar. Polymer Humidity Sensor.



\$1,270.00

Model 6744 dew point transmitter housed in an IP65 enclosure with a bright 7 digit LED display, housing can be rotated 350°, with ½" NPT straight thread connection, Wire screw terminal connections, Standard Analog output 4-20mA (2 wire), Dew point range -60C to +30C, Pressure rating up to 50bar, Alternating display units (Cdp, Fdp, Cat, Fat, %RH, PPMv, mg/m3), displayable min/max value. Polymer Humidity Sensor.



\$1,595.00

Key Features:

Dew point transmitter with a measuring range of -45 °Ctd to + 30 °Ctd, NTP½ thread and display
Polymer humidity sensor with a high degree of accuracy and long-term stability
Freely scalable analog output (4 to 20 mA) and optional alarm plug with 2 integrated switching outputs

Functional Specifications

- Accuracy: ±1K at 0 °Ctpd / 32 °Ftpd; ±3K at -20 °Ctpd / -4°Ctpd; ±4K at -40 °Ctpd / -40°Ctpd
- Measuring range: -60 to +30 °Ctpd (-76 to +86 °Ftpd)
- Sensor: Polymer humidity sensor (with special trace humidity adjustment) and NTO temperature sensor
- Process pressure: max. 50 bar (725 psi)
- Process temperature: 0 to +50 °C (32 to +122 °F)

General Specifications

- Outputs: 2 x switches potential-free. 30 V/0.5 A (accessory) 1x analog: 4 to 20mA (2-wire)
- Output parameters: °CtA, °FtA, %RH, ppmv, mg/m3, °C, °F
- Voltage supply: 20 to 30 VDC

Accessories

SS Sintered Cap **\$52.00**



-PC Plastic Measuring Chamber for measuring dew point – for optimal flows past the sensor (adjustable valve) and quick installation

\$ 245.00



-PMC Precision SS Measuring Chamber for measuring dew point- includes precision metering valve

\$632.00



-CP Connection Plug with two outputs (alarm plug), 4-20mA (2 wire), plus 2 limited signal outputs (floating), plus two LEDs **\$ 235.00**



-AC Wall Mount Power Adapter: Allows you to plug into 110 VAC 60 Hz for power

\$75.00



-CAM Compressed Air Module, allows you to sample from a pressurized process point

\$395.00

