

Humidity Monitoring in Compressed Air

The 6740 Series incorporates a ±1% accuracy, maintenance free humidity probe ideal for checking humidity measurements for validation of critical environments. It's rugged, compact and protected by a waterproof aluminum housing. The accuracy of this probe has been tested and proven time and again in worldwide laboratory tests. The probe is equipped with a patented capacitive polymer RH sensor.

Edgetech Instruments' services are performed in the USA at their modern, well-staffed, ISO/IEC 17025:2005 accredited, ISO 9001:2015 registered manufacturing facility. All recertifications and calibrations are traceable to NIST.



- Continuous monitoring of compressed air systems
- Checking drying efficiency in refrigeration and desiccant compressed air dryers to -60°C
- Checking dew/frost point in process control and compressed air
- Checking condensate deposit in refrigeration dryers
- Monitoring desiccant dryers
- Monitoring blow-by in liquid ring compressors

Benefits

- Maximum reliability
- Long-term stability
- Demonstrably correct indication of measurement ranges and data
- Highest manufacturing quality
- Calculation of the most important trace humidity variables: Dew/frost point, temperature, PPMv Calculation protocol
- Convenient operation via the display menu without additional aids
- Without display via the internal interface and scaling adapter software
- Local 1-point calibration
- Easy adjustment of limit values



Model 6744 with display



Model 6742 without display



ISO 9001:2015 Registered ISO/IEC 17025:2005 Accredited

Standard for All Models:

Dew Point Range:

• -60°F to 30°C (-76°F to 86°F)

Pressure Range:

• -1.0 to 50 bar (0 to 700 psia)

Accuracy:

±2°C at -5°C (typical)

Interface Output:

• 4 to 20 mA (electrically isolated)

Power Supply:

24 Vdc ±10%

Application Temperature:

0°C to 50°C (32°F to 122°F)

Storage Temperature:

-20°C to 70°C (-4°F to 158°F)

Mechanical Connection:

• 1/2" NPT, stainless steel screw-in thread

Electrical Connections:

Flange plug/coupler socket M12 x 1

Calibration:

Via 4 internal buttons

Protection Class:

IP65

CE Class:

Confirms with EN 50081-2, EN 50082-2

Housing Dimensions:

Length 7.5"x Height 1.75"

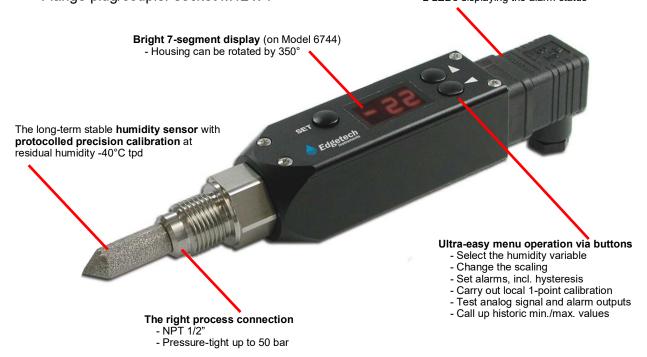
Model 6744 Only:

- Display: 3 digit LED display, flashes if limit value exceeded
- Relay output: 1 change-over contact, voltage free (230 VAC,1A)
- Resolution: 1°C

Analog output 4 to 20 mA (2-wire)
2 limit signal outputs (optional)

- Pre and main alarm as floating contact

- 2 LEDs displaying the alarm status



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