

Dew Point Sensor NP330-G

Measuring trace humidity.

Dew point sensor for measuring trace humidity in gases

- Inline transmitter designed to measure the absolute moisture in gases, in °C dew / frost point (optional ppmW / ppmV)
- Programmable switching output as alarm signal
- Calibrated against cooled mirror dew point meter
- Quality assurance of air-drying systems
- Cost savings during the drying process
- Can be delivered as OEM product

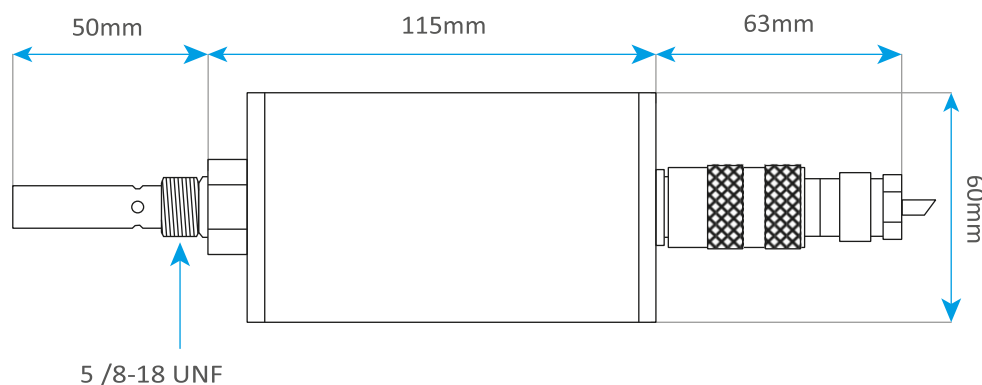
Features

- Multipoint calibration (over 60 points)
- Temperature compensation
- High measuring accuracy
- Short response times
- High pressure and shock resistance
- High medium compatibility
- Also available for mil ranges
- Diverse display, transmission and evaluation options
- Mechanical extensions available for different immersion depths (120 mm and 430 mm)
- Calibration certificate according to DIN EN ISO/IEC 17025:2018-03



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Dimension



Application fields among others

- Monitoring of air preparation facilities
- Dryer control (refrigeration dryer, adsorption dryer, etc.)
- Monitoring of compressors
- Monitoring of laboratories/research facilities
- Production of synthetic materials
- Stock & container control
- Paper & textile industry
- Building services engineering (heating, ventilation, air conditioning)
- Battery cell production
- Pharmaceutical industry
- Food industry
- Residual moisture measurement in gases

Accessories

- Table display
- Mobile data logger P005
- Sensor chamber
- Sensor connection cable
- 1/2 -inch thread adaptor
- PC software autocali

Technical Data

- Measuring range dew/frost point
-80°C dp to +20°C dp
(other ranges on request)
- Operating temperature
-20°C to +60°C
- Calibration and output for 4-20mA output
dew point, ppmW, ppmV
- Current output
4-20mA
- Serial interface
RS232
- Switching output
24 V DC / max. 70mA
- System pressure
up to 300 bar (4350 psi)
- Supply
18-28 V DC / max. 70mA
- Standard mounting depth
50 mm with 1/2-inch thread
(optional mounting depths: 120 mm or 430 mm)
- Protection type
IP65

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Order Numbers

Article		Order Number
Sensor NP330-G, length of shaft 50 mm (-80/+20°C dp, ppmW oder ppmV)	NP330-G Standard	12940
Sensor NP330-G, length of shaft 120 mm (-80/+20°C dp, ppmW oder ppmV)	NP330-G 120 mm	10076
Sensor NP330-G, length of shaft 430 mm (-80/+20°C dp, ppmW oder ppmV)	NP330-G 430 mm	20685
Sensor NP330-G, length of shaft 50 mm (-100/+20°C dp, ppmW oder ppmV)	NP330-G Standard	18846
Sensor NP330-G, length of shaft 120 mm (-100/+20°C dp, ppmW oder ppmV)	NP330-G 120 mm	22508
Sensor NP330-G, length of shaft 430 mm (-100/+20°C dp, ppmW oder ppmV)	NP330-G 430 mm	23394
Other ranges on request		
Accessoires		
Sensor Connection Cable, 5 m	NP390	12938
Sensor Chamber Material Stainless Steel 1.4301 Connection Thread G1/8-inch	NP338	13981
Mobile Data Logger	P005	13994
Table Display 0 to 1999 ppm H ₂ O	NP415	13976
PC-Connecting Kit incl. Power Supply, Sensor Cable, Serial Cable	NP374	13997
Software		
Autocali Software	4.4.3	412
Services		
Calibration NP330-G		100248
Customer-specific validation of devices (on request)		