

DPXO-70

Low Dew Point Transmitter

DPXO-70 series is the perfect unit for applications for compressed air, dryers, glove box, and dry gas

The dew point transmitter uses a high density cross linked polymer film as a sensing element. It is very stable and is inert to almost all harsh environment, such as dust, acid gases, and gas with oil vapors. By using auto background calibration system, it is stable and accurate, this dew point transmitter does not need any daily maintenance. The DPXO-70 works at a constant temperature mode at 28C, so typically, the temperature outside does not have any influence on the transmitter and at temperature above 28C, the dew point transmitter is compensated by the software/microprocessor

Operating mode:

- Above -10C direct current output
- Below -10C, auto heating program starts heating for 45sec at 170C and then cools for 105sec, the output is held during this period
- Below -40C with a delay of 5min, auto background calibration program is initiated and will last 7min, and the output is held during this period



Benefits

- 3 wire measurement
- Accurate
- Fast response time
- Excellent stability

Specifications

- Scaling: -80C to 20C (factory default)
- G½ Threaded Fitting
- Calibration done at -60C
- Dew point: -70C to 20C
- Pressure Rating: 750PSI
- *Material: 304 SS*
- Operating Temperature: 0 to 200C
- Sinter Filter Top (SS)-removable-washable
- Dew point accuracy:
+/- 1.0C from +40c to -20C
+/- 3.0C <-20C



Configurations:

Model	Configuration
DPXO-70	Dew point

Power: 24Vdc +/-6Vdc

Pressure: Max 50 bar

Measurement Range: -70C to 20 C

Measurement Intervals: 2 seconds

Response Time T63: Typ: <12min w/filter wet to dry
Typ: <10sec from dry to wet

Probe Mechanical Specifications

Filter: Stainless Steel Mesh 40µm

Mechanical connections: G1/2"

Housing Classification: IP65

Weight:220 g

Storage temperature: -40...80°C

Housing Material:304Stainless Steel

Accessories:

Description	Model #
Std cell w/1/4" fittings	DPXO-SC
Sample cell w/quick disconnect and fixed valve	DPXO-SSC
USB to PC cable	DPXO-CAB

