



STORK

INSTRUMENTS



Dewcom Flex

Datasheet

Description

The Dewcom Flex is a dew point transmitter designed for measurement in the range from $-60\text{ }^{\circ}\text{Cdp}$ to $+20\text{ }^{\circ}\text{Cdp}$. It is an ideal solution for small compressed air dryers, plastic desiccant dryers, and other OEM applications. The device is available with a wide range of process connections.

At the core of the Dewcom Flex is a bi-ceramic capacitive sensor that provides high accuracy and excellent measurement repeatability. The sensor is highly resistant to contamination due to an integrated filter that blocks dust particles.



Features

- Measurement range: $-60\text{ }^{\circ}\text{Cdp}$ up to $+20\text{ }^{\circ}\text{Cdp}$
- 2-wire current loop power connection 4–20 mA
- Accuracy: $\pm 2\text{ }^{\circ}\text{Cdp}$
- Calibration certificate
- Power voltage range: 10-28V DC

Typical applications

- Medical and surgical air systems
- Breathing air applications
- Plastic injection molding processes
- Portable dew point measurement instruments
- Compressed air dryers

Technical data

Performance specifications

Measurement range	-60°Cdp to +20°Cdp
Accuracy	±2°Cdp
Response time	T ₉₅ = 5 min (dry to wet)
Repeatability	0,5°Cdp
Calibration	Traceable 10-point calibration certificate

Electrical specifications

Output signal	4-20mA current source
Analog output prescaled range	°C dew point
Supply voltage	10-28 V DC
Current consumption	max. 23mA loop current
Sensor fault condition	23mA Under-range dew point: 4mA Over-range dew point: 20mA
Load Resistance	Max 50 Ω @ 10 V (700 Ω @ 28 V)
Compliances	CE marked

Operating specifications

Storage temperature	-20°C to +50°C
Operating temperature	-20°C to +50°C
Operating environmental humidity	0-90% RH
Operating pressure	2MPa (20bar)
Flow rate	0.2l/min to 5l/min

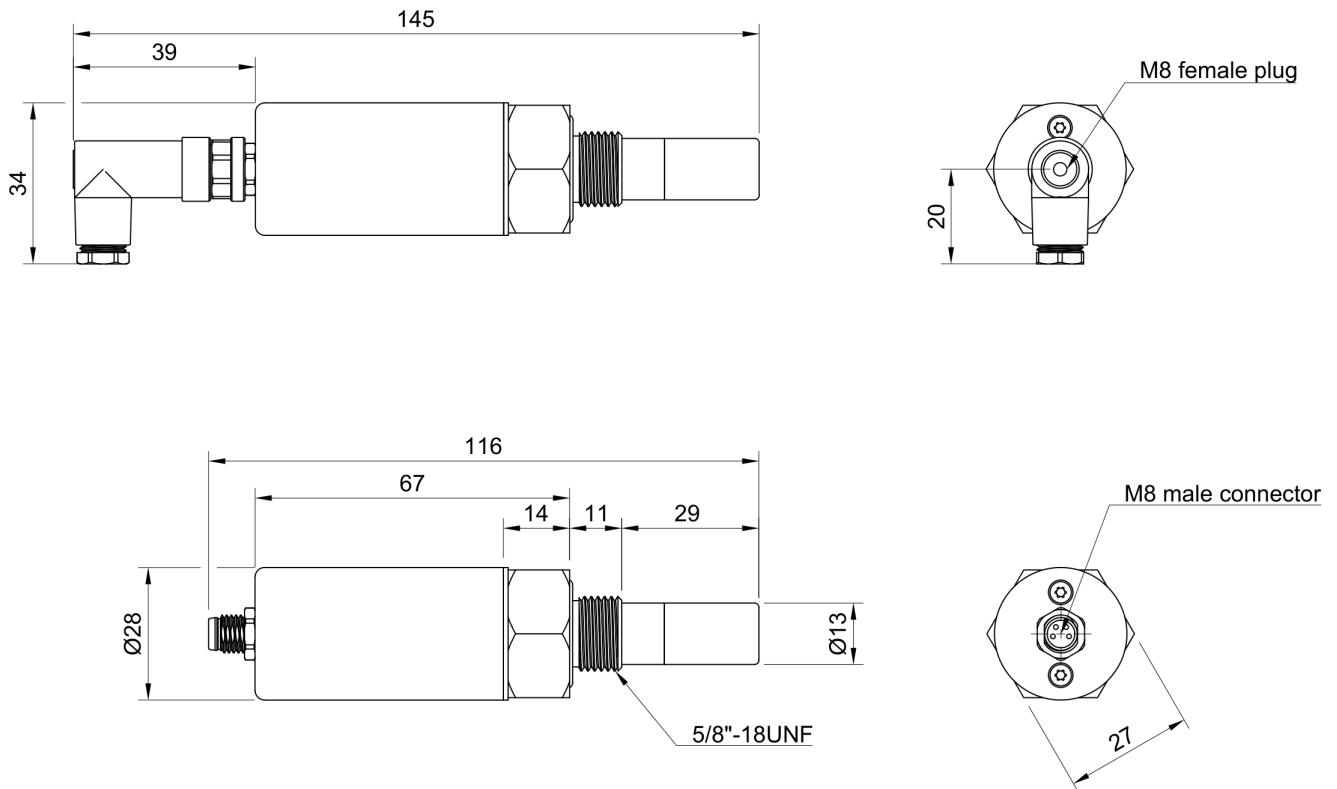
Mechanical specifications

Ingress protection	IP66 (when installed)
Mechanical connection	5/8"-18UNF
Weight	151g
Electrical connection	M8, 4-pin connector
Filters (sensor protection)	HDPE-sintered high-density polyethylene

Materials specifications

Housing material	Aluminum
Thread material	316 stainless steel

Dewcom Flex dimensions



Compliance

This product meets the essential requirements of relevant EU directives and standards. It is CE marked and fully compliant with the RoHS Directive 2011/65/EU (as amended), ensuring restriction of hazardous substances in electrical and electronic equipment.