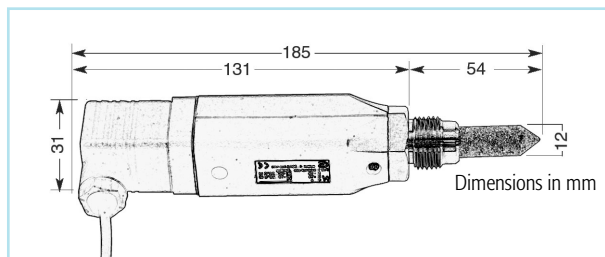


HUMIDITY

ALMEMO® dew-point sensor FHA 646 DTC1 Dew-point transmitter with current output MT8716DTC1



- ▶ Especially suitable for monitoring pressurized systems.
- ▶ Digital transfer of measured values to the ALMEMO® display section (avoids risk of inaccuracy on the connecting lines or in the display section itself).
- ▶ High-level accuracy sustained down to -80 °C.
- ▶ High-speed reaction time.
- ▶ Displayed variables : temperature, rel. humidity, dew-point.
- ▶ Process connection for high pressures (optionally up to 350 bar).



Technical data :

Measuring range	-80 to +20°C dew-point temperature (DT)
Measuring accuracy	± 0.5°C from -10 to +20 °C DT, typical ± 2°C at -40 °C DT
Measuring channels (FHA646DTC1 only)	
Temperature	-20.0 to +70.0 °C
Relative humidity	0 to 98.0% RH
Dew point	-80.0 to +20.0 °C dew-point temperature (DT)
Operating temperature	-20 to +70 °C
Process connection	Screw thread G 1/2", stainless steel
Protective cap	Sintered stainless steel filter
Pressure range	-1 to +50 bar standard
Storage temperature	+40 to +80 °C

FHA646DTC1

Output	ALMEMO® digital
Power supply	via ALMEMO® connector, approx. 5 mA
Connection	Cable, 1.5 meters, with ALMEMO® connector

MT8716DTC1

Output	4 to 20 mA / -80 to +20 °C dew-point temperature (DT), 2 wires
Power supply	10 to 30 V DC, load <500 ohm
Connection	Transmitter connector

Housing

Material	polycarbonate
Protection system	IP65

Option:

Dew-point sensor for
process pressure up to 350 bar Order no. : OA9646DTC1

Accessories :

Screw-on measuring chamber for connecting a dew-point transmitter to compressed air pipes via a ball valve, up to a maximum of 16 bar, including perforated protective cap
Order no. : ZB9646DTCK

- ▶ Advantage :
high-speed measuring without waiting for installation



Types (including manufacturer's test certificate)

ALMEMO® dew-point sensor with connecting cable, 1.5 meters long, and ALMEMO® connector
Dew-point transmitter with current output, including connector

Order no. FHA646DTC1

Order no. MT8716DTC1