

# Dew point sensor TPS-210 / TPS-220

**Very flexible in usage - analog dew point sensor with 0-10V or 4...20mA output signal**

- ☑ Determination of the dew point in the range of -50 ...+ 80 ° C
- ☑ Compact and robust design, which makes it ideal for industrial applications
- ☑ fast response time with small measuring deviation
- ☑ high reliability and long-term stability
- ☑ Signal output TPS-210: 0...10V
- ☑ Signal output TPS-220: 4...20mA



## Technical data

### Characteristics

Operating voltage	TPS-210: 12...30V DC TPS-220: 24V DC
Minimum loop voltage	TPS-220: load(ohms) *0.02 + 8 V
Maximum loop voltage	TPS-220: 30V
Power consumption	TPS-210: < 15mA
Design	Aluminium, anodized
Dimensions in mm	135 x Ø 19,2

### Operating conditions

Temperature:	-40...80°C
rel. humidity:	0 - 100% rH

### Measuring range temperature and dew point

Measuring range dew point	-50...+80°C
Measuring range temperature	-40...+80°C
Accuracy temperature	± 0.2°C
Signal output	0...10V or 4...20mA

## Applications

- ☑ archiv monitoring
- ☑ Storage and container monitoring
- ☑ Machine- and plant construction
- ☑ room air conditioning, also in the mobile area
- ☑ Use in weather stations and many more

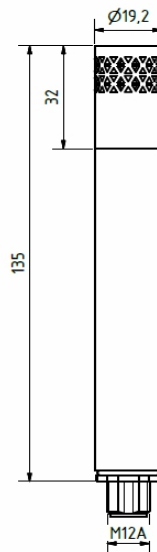
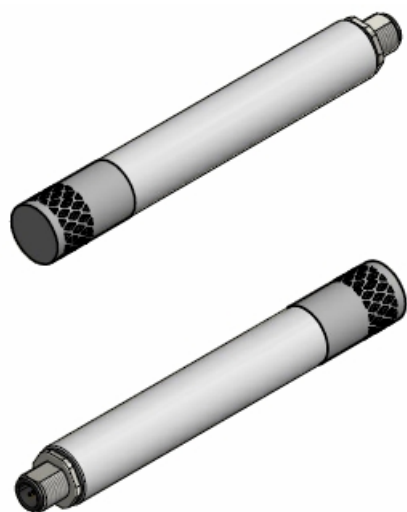
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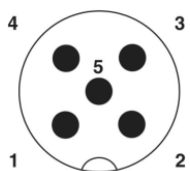
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## Design and dimensions



## Pin assignment



PIN	0...10V	4...20mA
1	U+	U+
2	GND	n.c.
3	T <sub>d</sub>	T <sub>d</sub>
4	T	T
5		

## Order

### Scope of delivery

1x Dew point sensor TPS-2xx

### Options for your order

TPS-210: 0...10V

TPS-220: 4...20mA

PTFE protection cap, aluminum cap, standard cap

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