Capacitive Humidity Sensor K5-W (200pF ±50 pF)



For accurate measurements in low humidity ranges, -40 °C to +150°C. 5.0 x 3.81 mm, 10 mm wires

Capacitive humidity sensor K5 with wires. For applications where an accurate measurement in low humidity ranges is required. Outstanding stability in low humidity.

Product Name: K5 ((200pF ±50 pF)
Capacitance: 200pF +/-50pF (at +23 °C and 30 % RH)
Operating humidity range: 0 % RH to 100 % RH
Operating temperature range: -40 °C to +150 °C
Dimensions: 5.0 x 3.81 x 0.4 mm
Connection type: CuP-SIL
Wire dimensions: 10mm long
Response time: < 5 s

Measured medium: Air/Gas
Product Old code: 040.00146
Product code: 150464

Product details

Benefits & Characteristics of this humidity sensor

- High chemical resistance
- Very low drift
- Wide temperature range
- High humidity stability
- Resistance to condensation
- Fast recovery time

Customer-specific sensor available upon request

Alternative wires

The IST AG K5-W humidity sensor is available with CuP-SIL wire post-plated with Sn as standard configuration.

K5-W Optimal for low humidity measurement

With its small dimension and high sensitivity, the iST K5-W capacitive RH humidity sensor was developed for applications where an accurate measurement in low humidity ranges is required. The sensor is characterized by the outstanding stability in low humidity, very low drift and a high chemical resistance. With its excellent sensor characteristics, the K5-W is the optimal choice for low humidity environments. The humidity sensor is capable of measuring 0 % RH to 100 % RH (maximal dew point +85 °C) with a capacitance of 200 pF ±50 pF (at 30 % RH and +23 °C) and operates within a temperature range of -40 °C to +150 °C.

Quality

Consistent with the well-known, high-quality standards in Switzerland, IST AG is certified according to ISO 9001:2015 (quality) and ISO 14001:2015 (environment). Appropriate processes are part of our daily work. They are regularly audited and extended parallel to the growth of our company.

> Read more

The online shop

Quantity (pieces)	Price (per piece)
5-49	CHF 27.13
50-99	CHF 21.53
100-150	CHF 19.06

Stock: **50**