

# Capacitive Humidity Sensor MK33-W mini (200pF +/-40 pF)



Optimal for oil measurement applications, -40 °C to 190 °C, 5.0 x 3.81 x 0.4 / 1.2 mm, 10 mm wires

Capacitive humidity sensor MK33-W mini with wires. Very good for high-end measuring applications and extreme and challenging environments.

**Product Name:** MK33-W mini (200pF +/-40pF)

**Capacitance:** 200 pF +/- 40pF (at 23°C and 30 % RH)

**Operating humidity range:** 0 % RH to 100 % RH

**Operating temperature range:** -40 °C to +190 °C

**Dimensions:** 10.8 x 3.81 x 0.4 mm

**Connection type:** Au/Cu Wire

**Wire dimensions:** Ø 0.4 mm, 10 mm long

**Response time:** < 6 s

**Measured medium:** Special environment, oils

**Product code:** 150138

## Product details

### MK33-W for oil measurement applications

The IST AG MK33-W capacitive RH humidity sensor has been developed especially for high-end measuring applications and extreme environments making it optimal for oil applications. The MK33 excels through its extremely high humidity and temperature working range and its outstanding chemical resistance. The humidity sensor is capable of measuring 0 % RH to 100 % RH (maximal dew point +95 °C) with a capacitance of 300 pF ±40 pF (at 30 % RH and +23 °C) and operates within a temperature range of -40 °C to +190 °C.

### 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 P14-W humidity sensor is available with CuP-SIL-wire post-plated with Sn, Au/Cu-wire or as SMD for automatic packaging as standard.

### 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)
1-10	CHF 56.24
11-50	CHF 44.64
51-100	CHF 39.50

Stock: **200**