



innovative
Sensor
Technology

Moisture in oil probe



HYT271 MK33 assembly, fully calibrated, ready-to-use RH/T module in screw-in probe

HYT271 MK33 in a robust and compact screw-in stainless steel housing with a metric M14 thread. Ideal for measurements in an industrial environment. Sustains -40°C to $+120^{\circ}\text{C}$ and 0 to 100%RH (water activity a_w). Digital I2C interface over 0.5m cable. Compatible with HYT Test board (USB or 0 to 10V analog outputs).

Customization Options: [Contact us](#) for custom calibration

Product Name: HPM.HYT.271.M.0.SK.SA.S

Operating humidity range: 0 % RH to 100 % RH

Operating temperature range: -40°C to $+125^{\circ}\text{C}$

Accuracy humidity: ± 3 % RH (0..90% RH at $+23^{\circ}\text{C}$)

Accuracy temperature: $\pm 0.2^{\circ}\text{C}$ at $0-60^{\circ}\text{C}$

Digital interface: I²C, default address 0x28

Operating voltage: 2.7 V to 5.5 V

Current consumption: $< 1\mu\text{A}$ in sleep mode, $< 22\mu\text{A}$ at 1Hz measuring rate

Dimensions: 67 mm (L) with M14 x 1.5 thread

Connection type: 4xAWG26 cable

Wire dimensions: 500 mm

Product code: 155958

Product details

Moisture in oil probe > Details

Benefits & characteristics of Moisture-in-Oil probes

A compact and ready-to-use sensor for monitoring the water content of many different oils and fuels based on lifetime of different oils. The sensor offers continuous and highly accurate measurement of relative humidity and temperature.

System integration is made easy by a digital interface and screw-in housing. The stainless steel housing makes it robust for integration in harsh environments.

Benefits

- Sensitive moisture analysis in different mineral and synthetic oils (incl. gear, transformer, hydraulics and lubricant applications)
- Fully calibrated and temperature compensated
- Interchangeable without adjustments
- Thermal and chemical robustness with MK33 capacitive humidity sensor

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)
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1-3	CHF 230.72
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Stock: **2**