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°C and 0 to 100%RH (water activity aw). 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 °C
Accuracy humidity: ± 3 % RH (0..90% RH at +23 °C)
Accuracy temperature: ±0.2 °C at 0-60°C
Digital interface: I²C, default address 0x28
Operating voltage: 2.7 V to 5.5 V
Current consumption: < 1µA in sleep mode, < 22µA 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

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.

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The online shop

Quantity (pieces)	Price (per piece)
1-3	CHF 230.72

Stock: **3**