Oil Humidity Sensor NP330-F

Measuring water in oil up to saturation limit.

Measuring absolute water content in hydraulic oil and customer-specific liquids

- The Water-in-Oil monitoring system NP330-F has been constructed for inline measurement of the absolute water content in mineral-, ester-, silicon-, vegetable-, Diesel-, cooling-, trafo-, insulating-, Skydrol- and other oils as well as in customer specified applications.

- Through continuous monitoring, the system has various advantages over sampling determination of water content by chemical methods, e.g. increased safety, avoidance of secondary damage, reduction of downtime and repair costs, as well as analysis, production, energy and maintenance costs.

Features

- Continuous monitoring (inline measurement)
- Long-term stability
- Temperature compensation
- High measurement accuracy and pressure resistance
- Output of absolute water content in ppm
- For various oils and customer-specific liquids (on request)
- System is calibrated against Karl Fischer titration (ASTM D1533) on user oil
Oil Humidity Sensor NP330-F

**Dimension**

![Dimension Diagram]

- 50mm
- 63mm
- 115mm

**Application fields e.g.**

- Hardening Plant
- Oil Regeneration Plant
- Drying Plant
- Oil Cooler Monitoring
- Hydraulic Systems
- Refrigerating-Machine Oil
- Customer-Specific Liquids

**Accessories**

- Table Display
- Mobile Data Logger
- Sensor Chamber
- Sensor Connection Cable
- 1/2-inch Thread Adaptor
- PC Software Autocali

**Technical Data**

- Current Output
  4 – 20 mA
- Serial Interface
  RS232
- Switching Output
  24 V DC
- Typical Measurement Range
  10 – 40,000 ppm (upper range limited to oil saturation)
- Temperature of Liquid
  −20°C bis +70°C (higher medium temperature on request)
- Supply
  18 – 24 V DC / max. 70 mA
- System Pressure
  Up to 300 bar
- Mounting Depth
  50 mm with ½-inch thread
- Protection Type
  IP65
Oil Humidity Sensor NP330-F

Order Data

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