

# Oil humidity sensor NP330-F

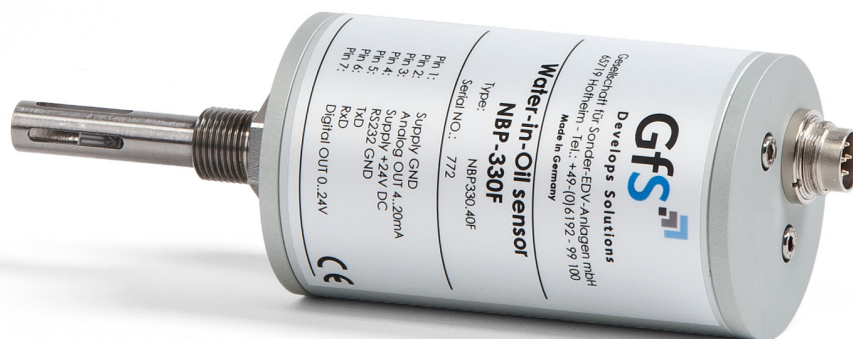
## Measuring water in oil up to saturation limit.

### Measuring absolute water content in hydraulic oil.

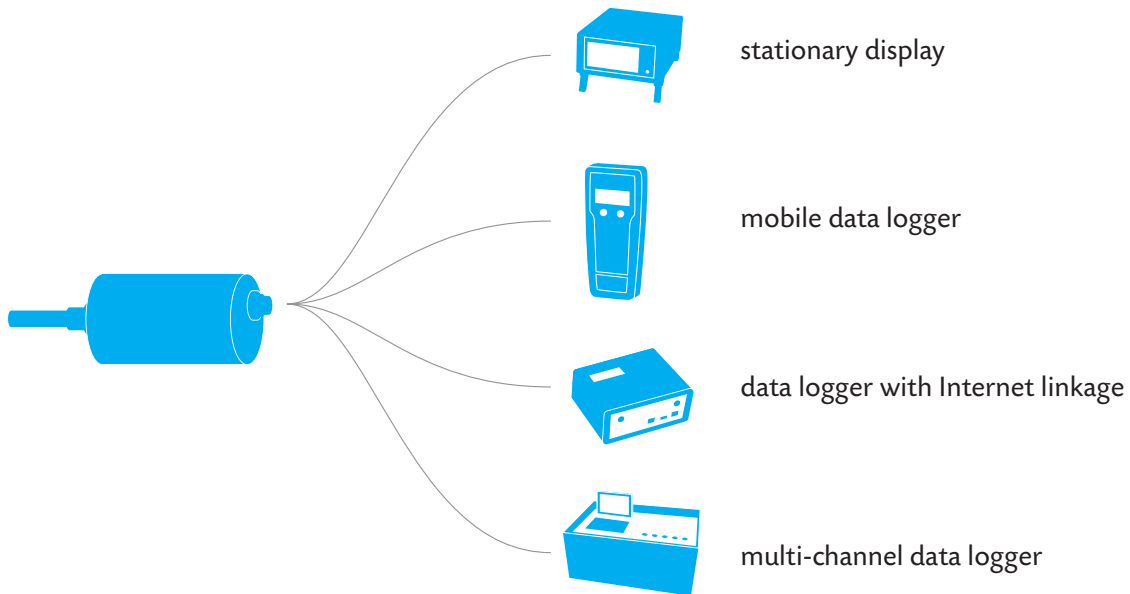
- The water-in-oil monitoring system NP330-F has been constructed for inline measurement of the absolute water content in silicone oils, bio oils, ester oils, and mineral oils
- temperature compensation
- long-term stability
- can be delivered as OEM product

### Features

- continuous monitoring (inline measurement)
- output of absolute water content in ppm / %
- for silicone oils, bio oils, ester oils, and mineral oils (further oils on request)
- system is calibrated against Karl Fischer titration (ASTM D1533) on user oil



## Connection Possibilities



## Accessories

- stationary display
- mobile data logger
- data logger with Internet linkage
- multi-channel data logger

## Technical data

- **current output**  
4 – 20 mA
- **serial interface**  
RS232
- **switching output**  
24 V DC
- **typical measurement range**  
10 – 20'000 ppm (upper range limited to oil saturation)
- **temperature of liquid**  
–20°C to +70°C\*
- **supply**  
18 V – 24 V DC / max. 70 mA
- **system pressure**  
up to 300 bar
- **standard mounting & immersion depth**  
50 mm with 1/2-inch thread\*\*
- **protection type**  
IP65

\*higher medium temperature up to 150°C possible on request

\*\*other depths on request

## Order Data

Article	Model No.	Order number
Sensor NP330	NP330.04-F	s50.0.03

## Accessoires

Article	Model No.	Order number
Sensor connection cable, 3m	NP390	s50.2.02
Sensor chamber material stainless steel 1.4301 connections thread G1/8-inch	NP338	s50.2.12
Mobile data logger	P005	s50.2.26
Table display		
0 to 1.999% H <sub>2</sub> O	NP415.01.2	s50.2.07
0 to 1999 ppm H <sub>2</sub> O	NP415.01.3	s50.2.08
Switchboard display		
0 to 1.999% H <sub>2</sub> O	NP369.01.2	s50.2.04
0 to 1999 ppm H <sub>2</sub> O	NP369.01.3	s50.2.05
230V relay box incl. LED-lamp for mounting on the wall	55.43.9.024	s50.2.33
PC Connecting kit incl. power supply, sensor cable, serial cable	NP374	s50.2.29

## Software

Article	Model No.	Order number
Autokali software	4.4.3	S50.2.32