FluidIX Lub-6 Oil condition sensor for machine monitoring

Condition-based oil change: Sensor for oil condition measurement and assessment

- ☑ Sensor for online monitoring of the oil condition (oil chemistry)
- ☑ Inline sensor, based on a multi-channel IR measuring cell
- ☑ Adjustable thresholds, depending on the oil parameters
- ☑ Robust design for mounting in machines and plants
- ☑ Direct connection to machine controls via digital signals and Ethernet
- ☑ Comfortable commissioning, configuration and diagnosis via graphical user interface

Technical data

Characteristics

Operating voltage	18...36 V DC max. current consumption 400 mA @18 V
Housing	Aluminium

Operating conditions

Operating temperature	0°C...+70 °C (optionally 0...+90 °C)
Maximum operating pressure	10 bar (optionally: 30 bar)
Storage temperature	-40°C...+90°C

Digital I/O ports

Digital input	1x Digital In 18...36 V (10 mA max.)
Digital output	4x Digital Out 18...36 V (5 mA max.)

Ethernet port

10/100 Mbit/s Ethernet with standard RJ-45 LAN 10/100 Base-T connector
Communication via manufacturer-independent bus protocol Modbus TCP

Configuration via web interface

Technical modifications reserved

Measuring principle

The measuring system, which can be directly integrated into CHPs, includes a multi-channel IR measuring cell with related electronics and peripherals. It measures and processes the oil condition (oil chemistry) at specific spectral bands, based on the IR absorption.

Depending on the sensor configuration*, various chemical characteristics can be measured via IR absorption.

Sensor configuration: Different oil types need different sensor configurations.

Please contact us for more details.

Measuring parameters

Depending on the detector configuration, up to 6 values can be determined simultaneously:

- Water content
- Oxidation
- Reciprocal oxidation
- Nitration
- Sulfatation
- Soot content
- Antiwear additive
- ZDDP antiwear additive
- EP/AW additive
- Aminic antioxidant additive

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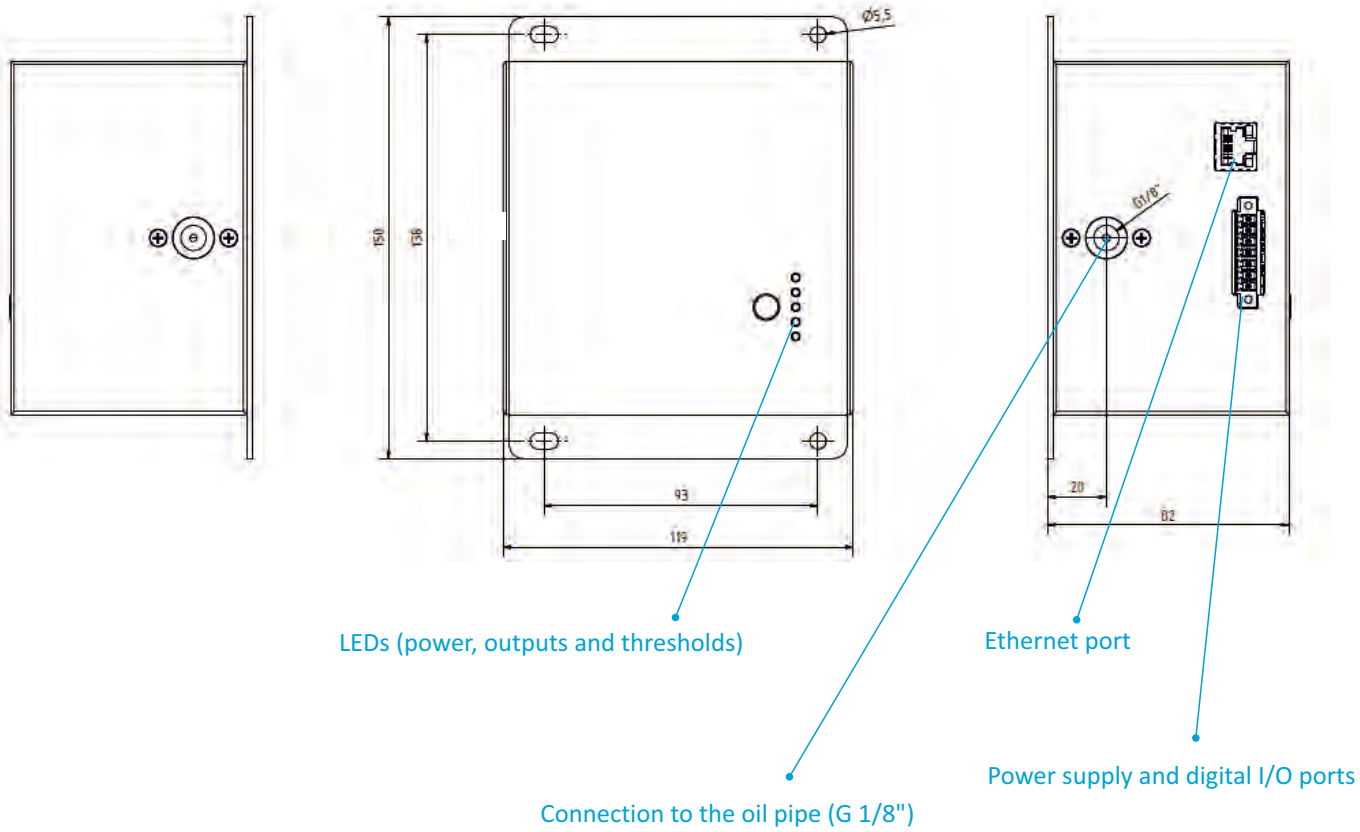
Dimensions and connections



Information about availability and placing an order

Scope of delivery

Oil condition sensor Fluidix Lub-6
Mounting and operating instructions

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