

Advanced [water detection]

OilMoisture Probe

[OIL QUALITY SERIES]

The game-changer for comprehensive water content analysis

OilMoisture is an online optical sensor that uses infrared technology for water content detection. Now, early diagnosis is possible, reducing potential failures associated with water presence in lubrication and hydraulic systems, to improve machine and process reliability.

Water is one of the most dangerous contaminants for the lubrication of critical systems, not only because its presence may be a symptom of leaks, but also because it acts as a corrosive catalyst to critical machine components and lubricating oil degradation. Our advanced technology is able to measure dissolved, emulsified and free water in your fluid.

[SPECIFICATIONS]



- Fluid temperature
- Water presence
(OilMoisture & OilHealth Probe Max)
- *Water PPM & %
(OilMoisture & OilHealth Probe Max)
- Degradation

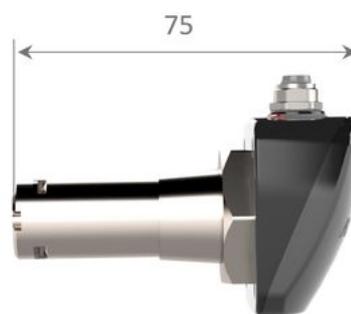
*Oil profiling needed

Power supply	24 VDC
Current consumption	<100mA
Connectivity	Stand-alone sensor: Modbus RTU (RS485) Sensor networks: Modbus TCP (Ethernet) For network connections an accesory is required, please contact Atten[2] representative for additional support
Output	Water raw detection (1-1000) * Absolute humidity output from 250 ppm (0.025%) up to 25,000 ppm (2.5%) Oil temperature output / Resolution 0.2°C Sensor temperature output
Oil pressure	Up to 12 bar
Operating temperature	Optimal temp. range (30-50°C)
Viscosity range	Up to 680 cSt
Hydraulic thread	BSPT Conical 1/2"
Materials	Aluminium (optional steel) Viton sealing BK7 optics
Protection class	IP65
Certification	CE

[INSTALLATION]

One of the main advantages of the sensor is that it can be installed directly in the lubrication system or the oil sump tank, thus simplifying the integration of the sensor into the machine.

[DIMENSIONS]



Manifold optional

