

Advanced [water detection]

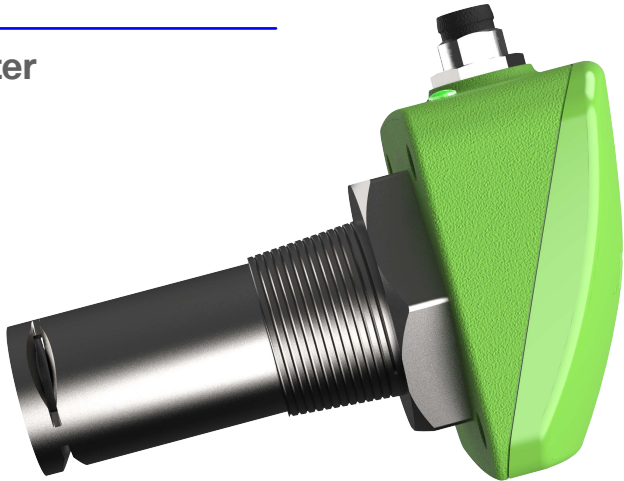
# OilMoisture

[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 and improving the 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 machine critical component corrosive catalyst and lubricant oil degradation. Our advanced technology is able to measure dissolved, emulsified and free water in your fluid.



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

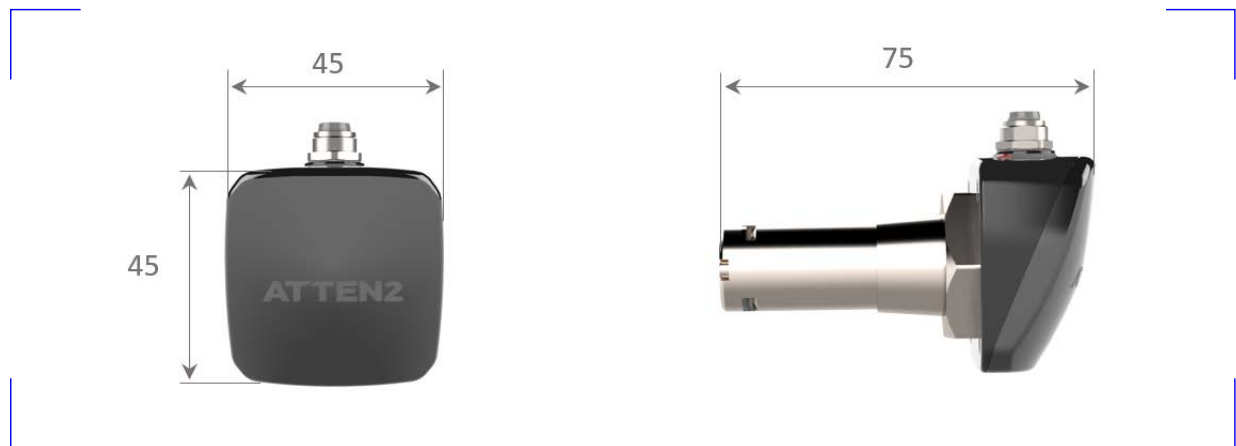
### [SPECIFICATIONS]

|                       |                                                                                                                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power supply          | 24 VDC                                                                                                                                                                                                     |
| Current consumption   | <100mA                                                                                                                                                                                                     |
| Connectivity          | Digital: Modbus RTU (RS485)                                                                                                                                                                                |
| Output                | Water content output:<br>Water raw detection (1-1000)<br>* Absolute humidity output from 250 ppm (0,025%) up to 25000 ppm (2,5%)<br>Oil temperature output / Resolution 0,2°C<br>Sensor temperature output |
| Oil preassure         | Up to 12 bar                                                                                                                                                                                               |
| Operation temperature | From -10°C to 80°C                                                                                                                                                                                         |
| Viscosity range       | Up to 680 cSt                                                                                                                                                                                              |
| Hydraulic thread      | BSPT Conical 1/2"                                                                                                                                                                                          |
| Materials             | Aluminum (optional steel)<br>Viton sealing<br>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



\*Oil profiling needed