Strips Multi-sensor +Drip Oil for LoRaWAN

Meet the unique ultra-slim multi-sensor with oil leak alarm for LoRaWAN

Oil leak sensor

Water leak sensor

Temperature sensor (+/- 2 °C)

Wind turbine leaking oil. © Copyright Neil Owen

Ultra-thin (4mm/0.16in) design

Up to 10 year battery lifetime

Up to 10 km (6 miles) range

IP65

Easy installation

Patent pending

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Documentation and other resources

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Use Cases

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Description

Strips MS +Drip Oil is an innovative **ultra-thin (4mm/0.16in)** and wireless multi-sensor for LoRaWAN with **water & oil leak detection**, developed for smart IoT applications such as heavy machinery, transmission and hydraulics monitoring.

When MS +Drip Oil detects some kind of leakage it then differentiates if there is a water or oil leak, sending the appropriate alarm, thus providing early indications of potentially major machine breakdowns. Its slim and sturdy design makes it perfect for mounting concealed in small spaces or on pipes to catch the first drops of water or oil. With a **battery life of up to 10 years**, you can set it and forget it.

Apart from oil leakage, MS +Drip Oil also provides temperature measuring where a rising temperature also can be an indication of problems.

By connecting to Yggio or a BMS, you can set up the logics and generate events to sound alarms, notify staff, and shut off the flow via valves or by controlling pumps.

Features

+Drip Oil profile

- Oil leak alarm
- Water leak alarm
- Temperature

Features

- Sensor memory
- Time-based reporting
- Deviation based reporting
- Alarms
- Weather protected
- Suitable for in or outdoor use
- Mounting with adhesive strip or +Clip

Specification

Product	Strips Multi-sensor +Drip Oil for LoRaWAN
Features	**Default** • Water and Oil leak alert • Temperature +/- 2°C (3.6 ˚F) accuracy • LED indication **Configurable** • Magnet Sensor
Reporting	Temperature reporting based on deviation to save battery
Regions	Europe (863-870 MHz) North America (902 – 928 MHz)
Range	Up to + 14 dBm output power Rx sensitivity -137 dBm Up to 10 km range (free line of sight)
Dimensions	Sensor: 195*15*4 mm (7.67 × 0.59 × 0.16 in)
Operating Conditions	-30°C to +60°C (-22°F to +140°F) Indoor or outdoor usage (IP65)
Power Supply	Built-in $LiMnO_2$ battery. Battery life up to 10 years, depending on for instance network radio quality
Device type	Type A
Supports	LoRaWAN v1.0.3

Battery Calculator

Go to the Strips for LoRaWAN Battery Calculator