



# OMS-1

Oil separator alarm device  
for monitoring oil layer  
in an oil separator



- Protecting our environment
- Versatile device for basic requirements
- Robust
- Designed to comply EN 858-1&2 and PPG3 norms
- Approved according to ATEX Directive 94/9/EC and IECEx
- Easy to install
- Remote monitoring capability
- Especially suitable for small size of separators of class II

Measure your success

 **Labkotec**  
INDUSTRAL GROUP



# OMS-1 oil alarm device for monitoring oil layer in an oil separator

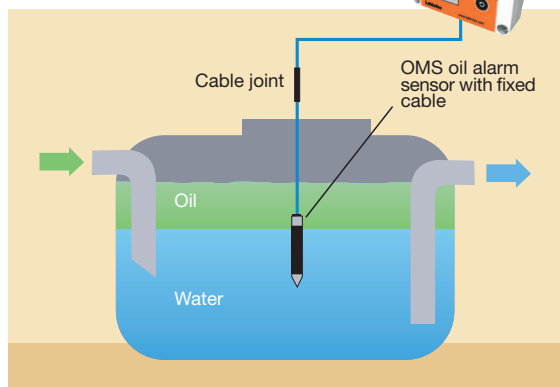
OMS-1 alarm device is specially designed for oil separators. It indicates when it is time to empty the oil separator and thus prevents harmful hydrocarbon emissions to the sewer system.



OMS-1 control unit and OMS sensor



Cable joint

## Application




## Technical data

### OMS-1 control unit

Dimensions:	175 mm x 75 mm x 35 mm (L x H x D)
Material:	Polycarbonate
Enclosure:	IP65
Operation temperature:	-30 °C...+50 °C
Supply voltage:	230 VAC ± 10 %, 50/60 Hz
	The device is not equipped with a mains switch
Power consumption:	1 VA
Sensors:	OMS sensor
Relay outputs:	Potential-free relay output 250 V, 5 A, 100 VA Operational delay 10 sec. Relay de-energize at trigger point.
Electrical safety:	IEC/EN 61010-1, Class II  , CAT II
Insulation level sensor/ mains supply voltage:	375 V (IEC/EN 60079-11)
EMC:	IEC/EN 61000-6-3 (Emission) IEC/EN 61000-6-1 (Immunity)
Ex-classification:	 II (1) G [Ex ia] IIB
Special conditions	(Ta = -30 °C...+50 °C)
ATEX	VTT 12 ATEX 003X
IECEX	IECEX VTT 12.0001X

### OMS sensor

Principle of operation:	Measurement of conductivity
Material:	PVC, AISI 316
Enclosure:	IP68
Temperature:	Operation 0 °C...+60 °C Safety -30 °C...+60 °C
Cable:	Oil-proof cable 2 x 0,75 mm <sup>2</sup> . Standard length 5 m, other lengths optional. The max. length of the fixed cable is 15 m. Can be extended up to 100 m.
EMC:	IEC/EN 61000-6-3 (Emission) IEC/EN 61000-6-1 (Immunity)
Ex-classification:	 II 1 G Ex ia IIA T6 Ga According to IEC/EN 60079-11 simple apparatus.

OMS-1 can be easily connected via Labcom data transmission units to remote monitoring system.

More information [www.labkonet.com](http://www.labkonet.com)



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