

Data sheet

OMS-1

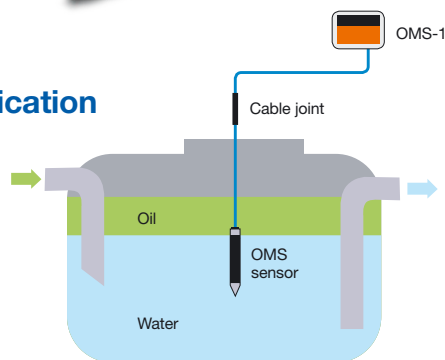
OMS-1

oil separator alarm device

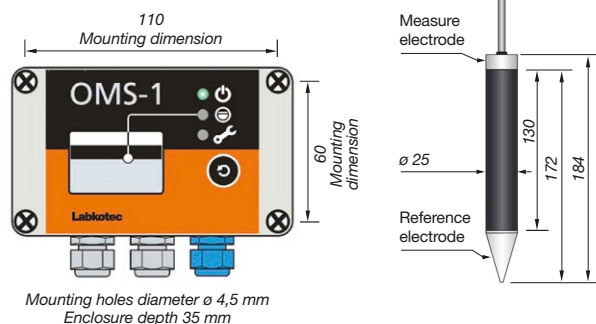
The OMS-1 alarm device is designed for oil separators. It indicates when it is time to empty the oil separator and thus prevents harmful hydrocarbon emissions to the sewer system. The system consists of OMS-1 control unit, OMS sensor and a cable joint.



Application



Dimensions (mm)



Technical data

OMS-1 Control unit

Dimensions	175 mm x 75 mm x 35 mm (L x H x D)
Enclosure	IP 65, material polycarbonate
Operation temperature	-30 °C...+50 °C
Supply voltage	230 VAC $\pm$ 10 %, 50/60 Hz The device is not equipped with a mains switch. Fuse maximum 10 A.
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	EN IEC 61010-1, Class II $\square$, CAT II POLLUTION DEGREE 2
Insulation level sensor/ mains supply voltage	375 V (EN IEC 60079-11)
EMC	EN IEC 61000-6-3 EN IEC 61000-6-1
Ex-classification	Ex II (1) G [Ex ia Ga] IIB
Special conditions	(Ta = -30 °C...+50 °C) ATEX, IECEx, UKEX
Electrical parameters	$U_o = 6,6$ V $I_o = 20,2$ mA $P_o = 33,3$ mW
Manufacturing year Please see the serial number on the type plate	xxx x xxxxx xx YY x Where YY = manufacturing year (e.g. 22 = 2022)

OMS Sensor

Principle of operation	Measurement of conductivity
Material	PVC, AISI 316
IP-classification	IP68
Temperature	Operation: 0 °C...+60 °C Safety -30 °C...+60 °C
Cable	Oil-proof cable 2 x 0.75 mm ² , $\varnothing$ 5,3 mm. 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	EN IEC 61000-6-3 EN IEC 61000-6-1
Ex-classification	Ex II 1 G Ex ia IIA T6 Ga According to EN IEC 60079-11 simple apparatus.
Manufacturing year Please see the serial number on the type plate	xxx x xxxxx xx YY x Where YY = manufacturing year (e.g. 22 = 2022)