

Data sheet

OilSET-1000

OilSET-1000 oil separator alarm device

The OilSET-1000 level alarm instrument is specially designed for oil separators and grease traps. It indicates when it is time to empty the oil separator and thus prevents harmful hydrocarbon emissions to the sewer system.



OilSET-1000 control unit and SET/DM3AL sensor

Accessories:

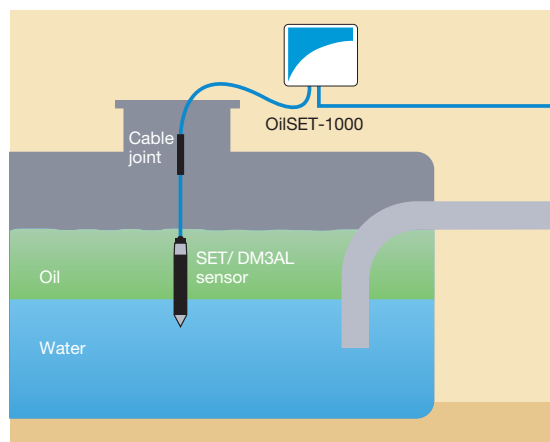


Junction box

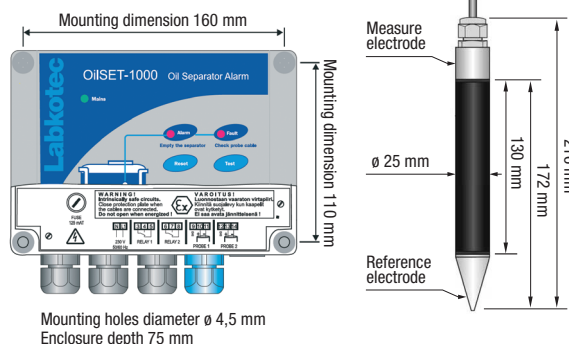


Cable joint

Application



Dimensions



Control unit OilSET-1000

Dimensions:	175 mm x 125 mm x 75 mm (L x H x D)
Material:	Polycarbonate
Enclosure:	IP65
Operation temperature:	-25 °C...+50 °C
Supply voltage:	230 VAC ± 10 %, 50/60 Hz Fuse 5 x 20 mm 125 mA (IEC/EN 60127-2/3) The device is not equipped with a mains switch
Power consumption:	2 VA
Sensors:	One Labkotec SET sensor (SET/DM3AL)
Max. resistance of the current loop between the control unit and a sensor:	75 Ω
Relay outputs:	Two potential-free relay outputs 250 V, 5 A, 100 VA Operational delay 5 sec or 30 sec. Relays de-energize at trigger point. Operation mode selectable for increasing or decreasing level.
Electrical safety:	IEC/EN 61010-1, Class II □, CAT II/III
Insulation level sensor/mains supply voltage:	375 V (IEC/EN 60079-11)
EMC:	IEC/EN 61000-6-3 (Emission) IEC/EN 61000-6-2 (Immunity)
Ex-classification:	Ex II (1) G [Ex ia] IIC
Special conditions	(Ta = -25 °C...+50 °C)
ATEX	VTT 04 ATEX 031X
IECEX	IECEX VTT 10.0003X
Electrical parameters:	U ₀ = 14,7 V I ₀ = 55 mA
Characteristic curve of the output voltage is trapezoidal	P ₀ = 297 mW R = 404 Ω
Manufacturing year:	xxx x xxxxx xx YY x
Please see the serial number on the type plate	Where YY = manufacturing year (e.g. 10 - 2010)

Sensor SET/DM3AL

Principle of operation:	Measurement of conductivity
Material:	PVC (black), AISI 316, NBR, PA
Enclosure:	IP68
Temperature:	Operation: 0 °C...+60 °C Safety: -30 °C...+60 °C
Signal:	Analog 3 mA/10 mA
Supply voltage:	8 V...16 V (DC)
Cable:	Shielded oil-proof cable 2 x 0,75 mm ² , standard length 5 m. Other lengths optional. The max. length of the fixed cable is 15 m. Can be extended with a shielded cable. The recommended maximum cable loop resistance is 75 Ω.
EMC:	IEC/EN 61000-6-3 (Emission) IEC/EN 61000-6-2 (Immunity)
Ex-classification:	Ex II 1 G Ex ia IIA T5 Ga
ATEX	VTT 09 ATEX 026X
IECEX	IECEX VTT 10.0001X
Electrical parameters:	U _i = 16,5 V I _i = 80 mA P _i = 400 mW C _i = 3,5 nF L _i = 85 μH
Manufacturing year:	x xxx x xxxxx xx YY x
Please see the serial number on the type plate	Where YY = manufacturing year (e.g. 10 - 2010)

Measure your success

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