

Technical data

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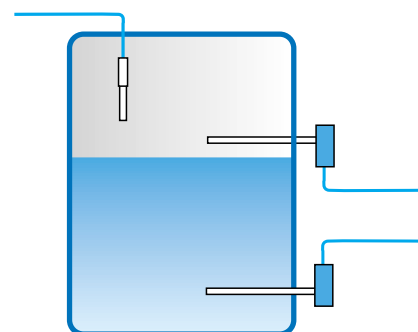






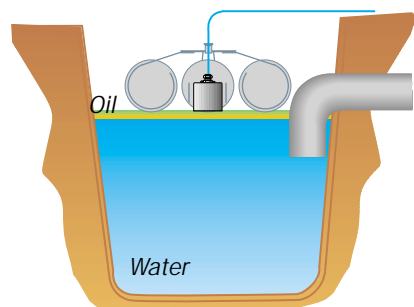
	SET/TSSH2	SET/SA2	SET/TSH2	SET/OS2	SET/OELO2	SET/M02	SET/S
Interface to	E.g. Labko SET-100, SET-101, SET-111 and SET 112						
Cable:	E.g. shielded instrument cable 1x(2+1)x0,5 mm ²		Shielded oil-resisting instrument cable 3x0,5 mm ²				
Standard cable length	—		5m (max 15 m)				
Max. cable length	150 m (max. 75 Ω)						
Ambient temperatures:							
Sensing element	-25°C...+120°C		-25°C...+60°C				0°C...+60°C
Transmitter	-25°C...+60°C		-25°C...+60°C				0°C...+60°C
Materials:							
Wetted parts	AISI 316, PTFE	AISI 316, FEP	AISI 316, PTFE	SET/OS2 floats PP PVC, AISI 316	AISI 316, Nylon 12	Fibreglass PCB (Nylon 12)	PVC, AISI 316 NBR
Housing	AISI		—				
Protection class:							
Sensing element	IP68						
Transmitter	IP65		IP68				
Ex-approvals	Ex II 1 G EEx ia IIC T5		Ex II 1 G EEx ia IIB T5	Ex II 1 G EEx ia IIA T5	Ex II 2 G EEx ia IIB T5		Ex II 1 G EEx ia IIB T5
Mounting connection	R3/4"		R3/4" or suspended	suspended	floor mounting		R3/4" or suspended

Applications



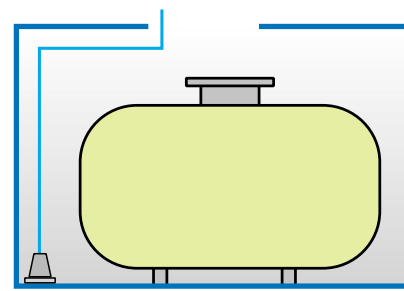
Pump control and high level alarm

Two through tank wall mounted SET/TSSH2 probes controlling the pump start/stop action. SET/TSH2 probe is applied as high level alarm.



Oil-on-water detector

SET/OSK2 is a floating probe, which provides alarm of oil or hydrocarbon layer on water.



Oil leakage alarm

SET/OELO2 probe installed in an oil tank room to give alarm of oil leakage.

Labko - For a Cleaner Globe

Labko specializes in environmental technology. Labko has obtained 40 years' experience in planning and manufacturing diverse products in this field.

Our strengths are found within a thorough expertise of plastic production, a full knowledge of measurement, alarm and identification technology, as well as

different web based solutions for data transmission and with an effective combination of these fields.



Manufacture, sales and customer service:

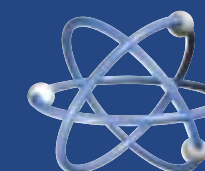
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Technical data subject to change without notice.

Pictorino / Krijapaino PMK 8/2003 1.000 M25146Ae

Labko® Level Control SET Level Detectors



Labko
www.labko.fi

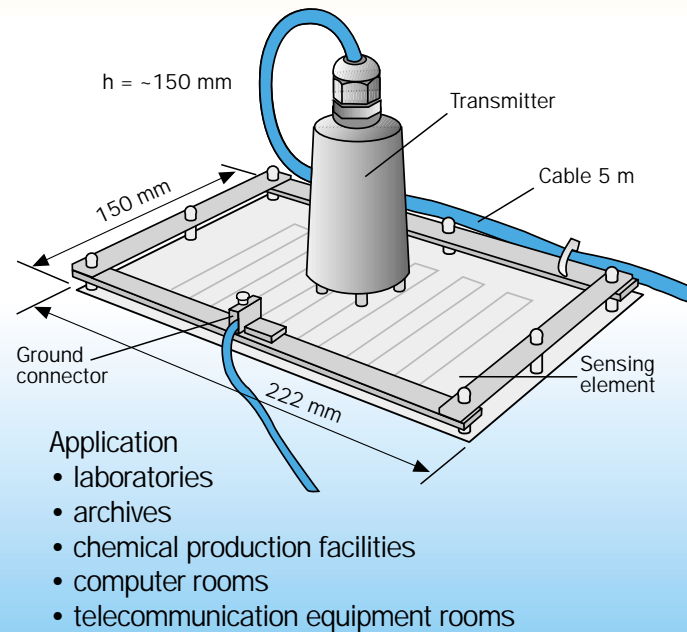


- sensing elements for various applications
- no moving parts
- easy installation
- ATEX Ex-i approved

- sludge detection
- high level/low level
- oil/water interface, leak detection
- control, alarm and lock functions

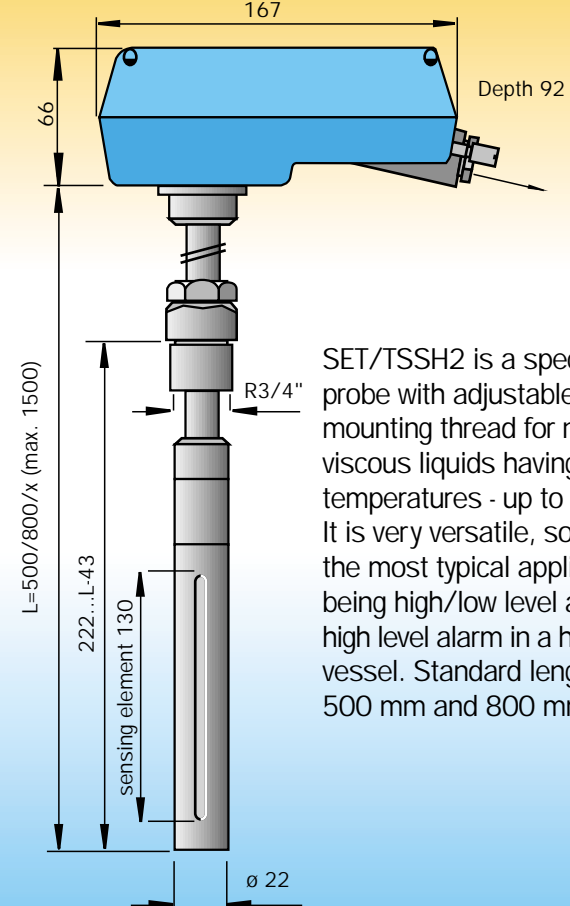
SET/MO2

SET/MO2 is a leakage detection probe from a few drops only, specially designed to alarm from explosion hazardous chemical leaks in dry areas. Main applications are liquids with a higher dielectric constant than 18. This includes water, ethanol, methanol and isopropanol.



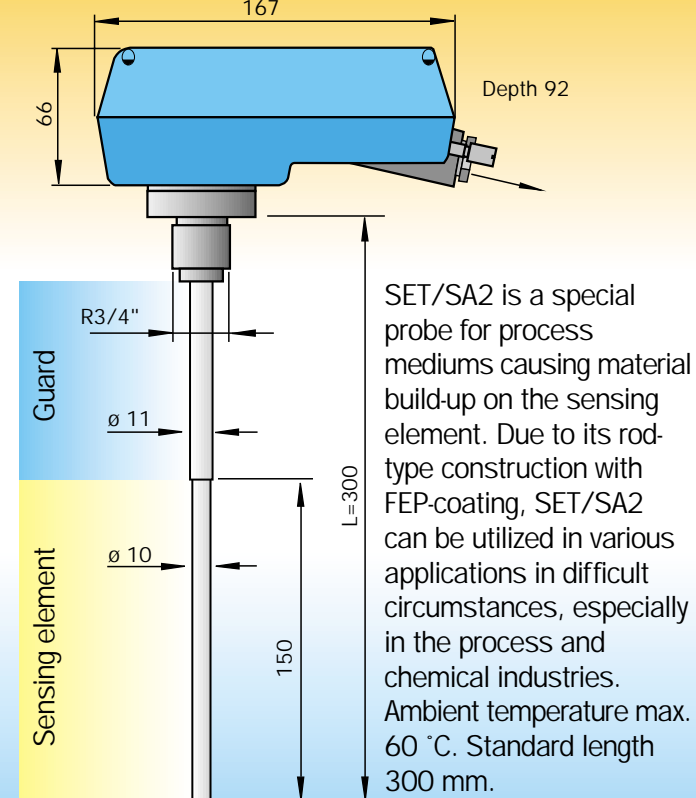
- Application
- laboratories
 - archives
 - chemical production facilities
 - computer rooms
 - telecommunication equipment rooms

SET/TSSH2



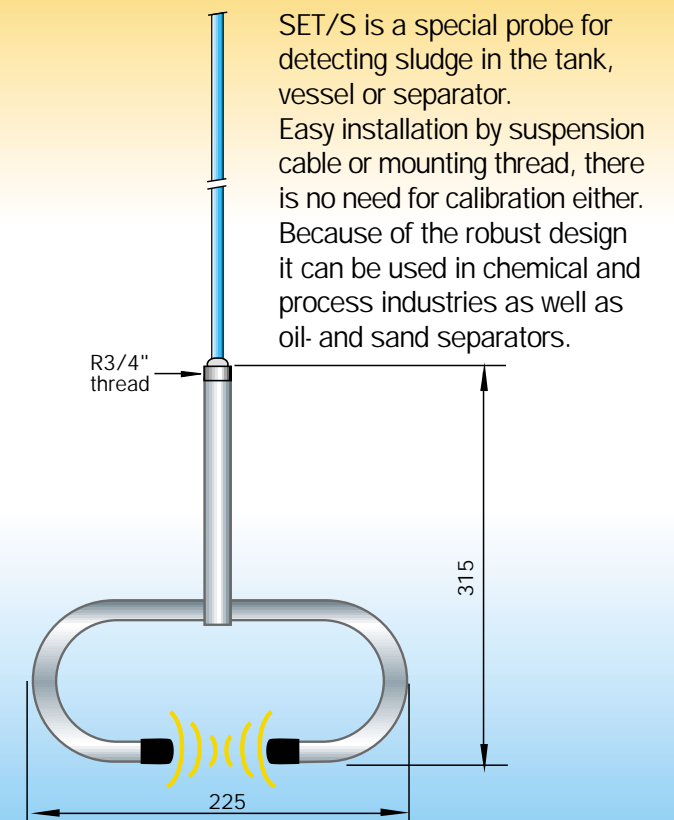
SET/TSSH2 is a special probe with adjustable mounting thread for non-viscous liquids having high temperatures - up to 120 °C. It is very versatile, some of the most typical applications being high/low level alarm or high level alarm in a hot water vessel. Standard lengths 500 mm and 800 mm.

SET/SA2



SET/SA2 is a special probe for process mediums causing material build-up on the sensing element. Due to its rod-type construction with FEP-coating, SET/SA2 can be utilized in various applications in difficult circumstances, especially in the process and chemical industries. Ambient temperature max. 60 °C. Standard length 300 mm.

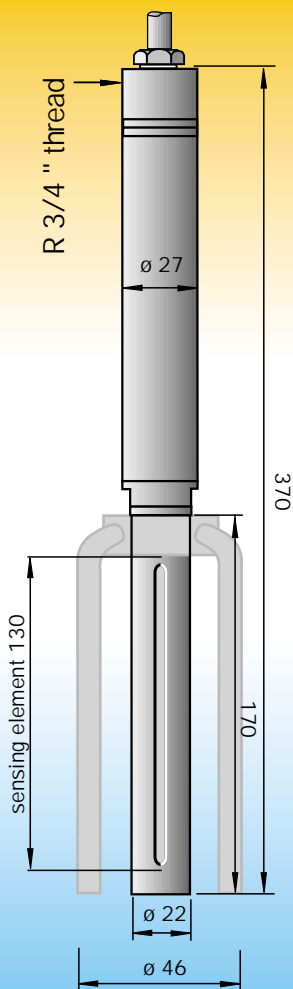
SET/S



SET/S is a special probe for detecting sludge in the tank, vessel or separator. Easy installation by suspension cable or mounting thread, there is no need for calibration either. Because of the robust design it can be used in chemical and process industries as well as oil- and sand separators.

SET/TSH2

SET/TSH2 is a universal probe for non-viscous liquids. The most common applications are e.g. water/oil interface detection and high/low level alarm in fuel and chemical tanks. Easy installation by suspension cable or mounting thread. When ordering, please specify SET/TSH2-V for conductive and SET/TSH2-O for non-conductive medium.



SET/TSHS2

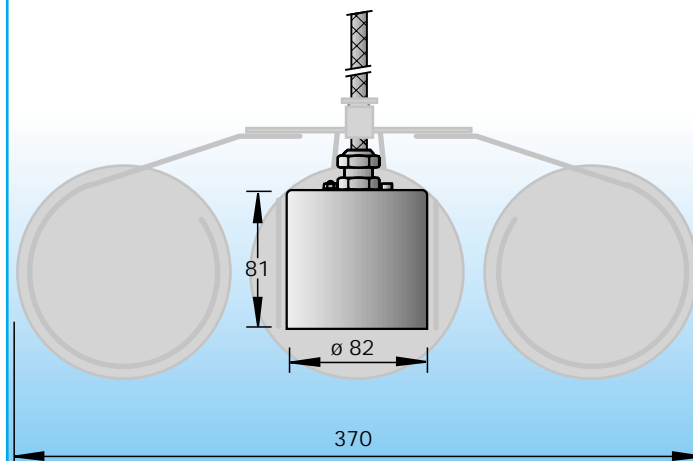
SET/TSHS2 is a special probe for viscous liquids. The most common applications are e.g. high level or water interface alarm in grease or heavy oil storage tanks. Equipped with a fork type counter electrode instead of a tube. Other specifications as SET/TSH2.

SET/OS2

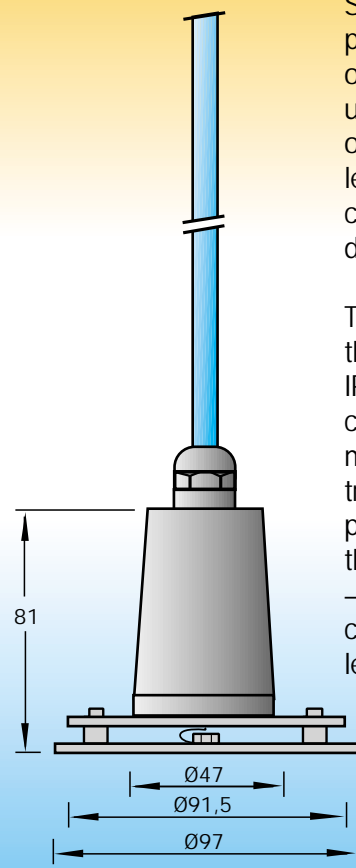
SET/OS2 is a low-cost capacitive probe for e.g. oil/water interface detection. The transmitter is cast in the probe. Standard cable length is 5 m, oil-resisting cable 3x0,5 mm². Ambient temperature -25 °C ...+60 °C.

SET/OSK2

SET/OSK2 is a special version of SET/OS2 equipped with polypropylene floats to detect oil on water in separator basins or pump sumps.



SET/OELO2



SET/OELO2 is a special probe for leakage alarm in oil burner rooms, in basins under oil tanks, cellars or other dry rooms, where leakage of oil, water or chemicals has to be detected.

The transmitter is cast in the probe, protection class IP68. The sensing element consists of two parallel metallic plates and the transmitter detects the presence of liquid between them. Ambient temperature -25...+60 °C. Oil-resisting cable 3x0,5 mm², standard length 5 m.

Control units

SET-100

Control unit for one probe. One relay output, fault diagnostics, DIN 35 mm rail mounting and easy choice of operation. Protection class IP20.



SET-101

Control unit for one probe. Wall mounting, protection class IP65. Two relay outputs, fault diagnostics and easy choice of operation. Resettable buzzer alarm.



SET-111

Control unit for one probe. One relay output, fault diagnostics. Wall mounting, protection class IP65. Easy choice of operation.



SET-112

Control unit for two probes. Two relay outputs, fault diagnostics. Wall mounting, protection class IP65. Easy choice of operation.

