Specifications are subject to change without notice (28.10.2014)

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Conductive Sensors Level Probes Types VN, VNY, VPC, VPP



Product Description

Level sensor for measuring the level of conductive liquids, i.e. max./min. control of charging or discharging. The function is determined by the amplifier relay used. The sensors are delivered with standard length electrodes - these are cut off to suit the application.

• 1 to 4 electrodes

- Isolated or unisolated electrodes
- Cable or screw connection
- 1/2", 1" or 1 1/2" without pipe thread according to ISO 228/1-Gxxx"

VPC 110

CE

Ordering Key

Type — Housing material — Number of electrodes Thread —

Type Selection

Pipe thread	Electrode isolation	Housing Material	Ordering no. 1 electrode	Ordering no. 2 electrodes	Ordering no. 3 electrodes	Ordering no. 4 electrodes
1 1/2" 1 1/2" 1 1/2" 1 1/2" 1/2" 1/2" 1" 1/2" 1"	No Polyethylene Polyethylene Polyethylene Polyethylene Kynar (PVDF) Kynar (PVDF)	Nylon 6 Nylon 6 Nylon 6 PVC PVC Polypropylene Polypropylene	VN 1 VNY 1 VNI 1 VPC 105 VPC 110 VPP 105 VPP 110	VN 2 VNY 2 VNI 2 VNYI 2 VPC 205 VPC 210 VPP 205 VPP 210	VN 3 VNY 3 VNI 3 VNYI 3 VPC 310 VPP 310	VN 4 VNY 4 VNI 4 VNYI 4

Specifications

Electrodes		Environment	
Material	Stainless steel	Degree of protection	IP 67
	AISI316/DIN1.4401	Operating temperature	
Standard length		ŃN, VNY	0 to 90°C (32° to 194 °F)
VN, VNY	100 cm	VPC	0 to 60°C (32° to 140 °F)
VPC, VPP	50 cm	VPP	0 to 100°C (32° to 212 °F)
Diameter		Storage temperature	, , ,
VN, VNY	Ø 5 mm	VN, VNY	-25° to 100°C (-13° to 212°F
VPC, VPP	Ø 4 mm	VPC, VPP	-20° to 110°C (-40° to 230°F
Housing		Pressure	
Connection		VN, VNY, VPP	10 bar at 60°C
VN	Cable (PVC), 2 m	VPC	2 bar at 60°C
VNY, VPC, VPP	Screw terminals	CE marking	IEC 529
		-	





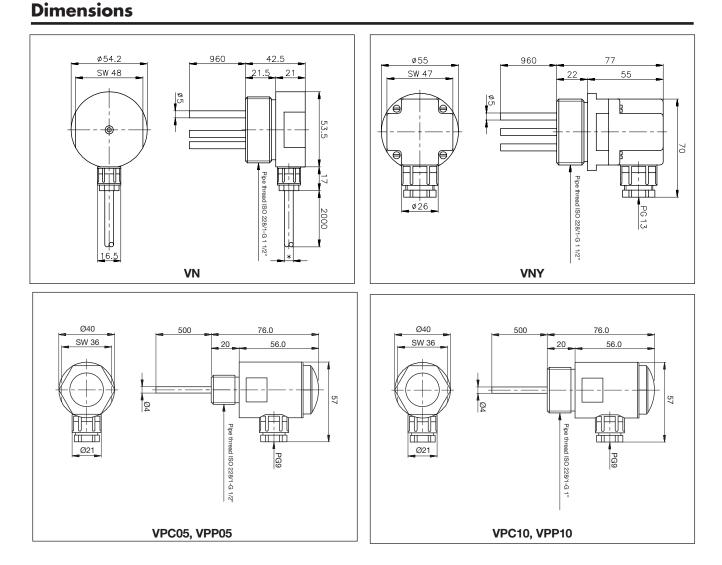
Mode of Operation

The length of the electrodes determines the levels which will be detected and the amplifier chosen determines the function (see SV..., S195/196, S1961, ELA, ELC or ELD). If the container is made of a conductive material this can be used as common electrode.

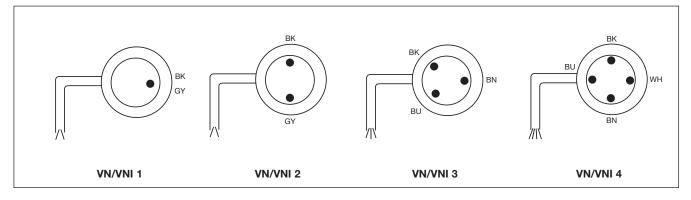
Accessories

Extension joint for Ø5 mm electrodes (VN/VNI):

VD1



Wiring Diagrams



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