

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

CARLO GAVAZZI



- 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



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.

Ordering Key

VPC 110

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"	No	PBTP	VN 1	VN 2	VN 3	VN 4
1 1/2"	No	PBTP	VNY 1	VNY 2	VNY 3	VNY 4
1 1/2"	Polyethylene	PBTP	VNI 1	VNI 2	VNI 3	VNI 4
1 1/2"	Polyethylene	PBTP	VNYI 1	VNYI 2	VNYI 3	VNYI 4
1/2"	Polyethylene	PVC	VPC 105	VPC 205		
1"	Polyethylene	PVC	VPC 110	VPC 210	VPC 310	
1/2"	Kynar (PVDF)	Polypropylene	VPP 105	VPP 205		
1"	Kynar (PVDF)	Polypropylene	VPP 110	VPP 210	VPP 310	

Specifications

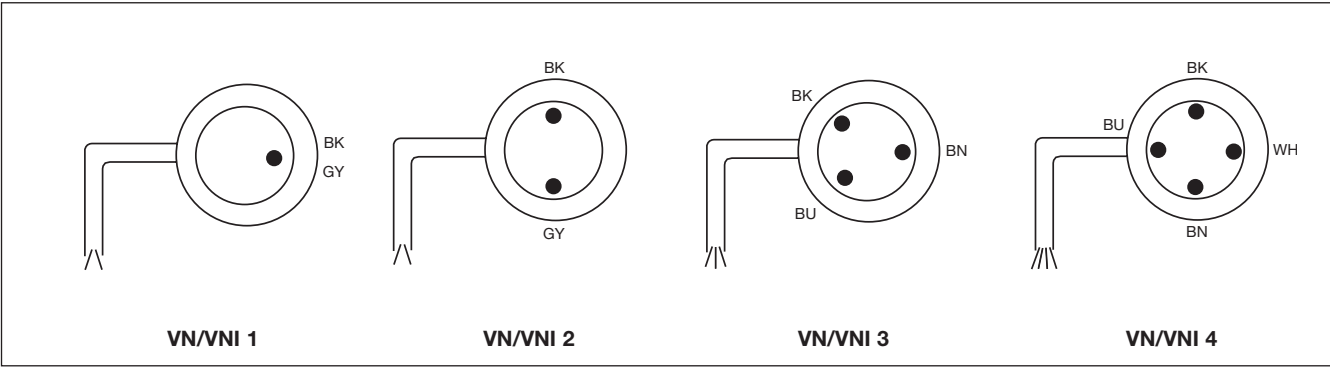
Electrodes		Environment	
Material	Stainless steel AISI316/DIN1.4401	Degree of protection	IP 67
Standard length		Operating temperature	
VN, VNY	100 cm	VN, VNY	0 to 90°C (32° to 194 °F)
VPC, VPP	50 cm	VPC	0 to 60°C (32° to 140 °F)
Diameter		VPP	0 to 100°C (32° to 212 °F)
VN, VNY	Ø 5 mm	Storage temperature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



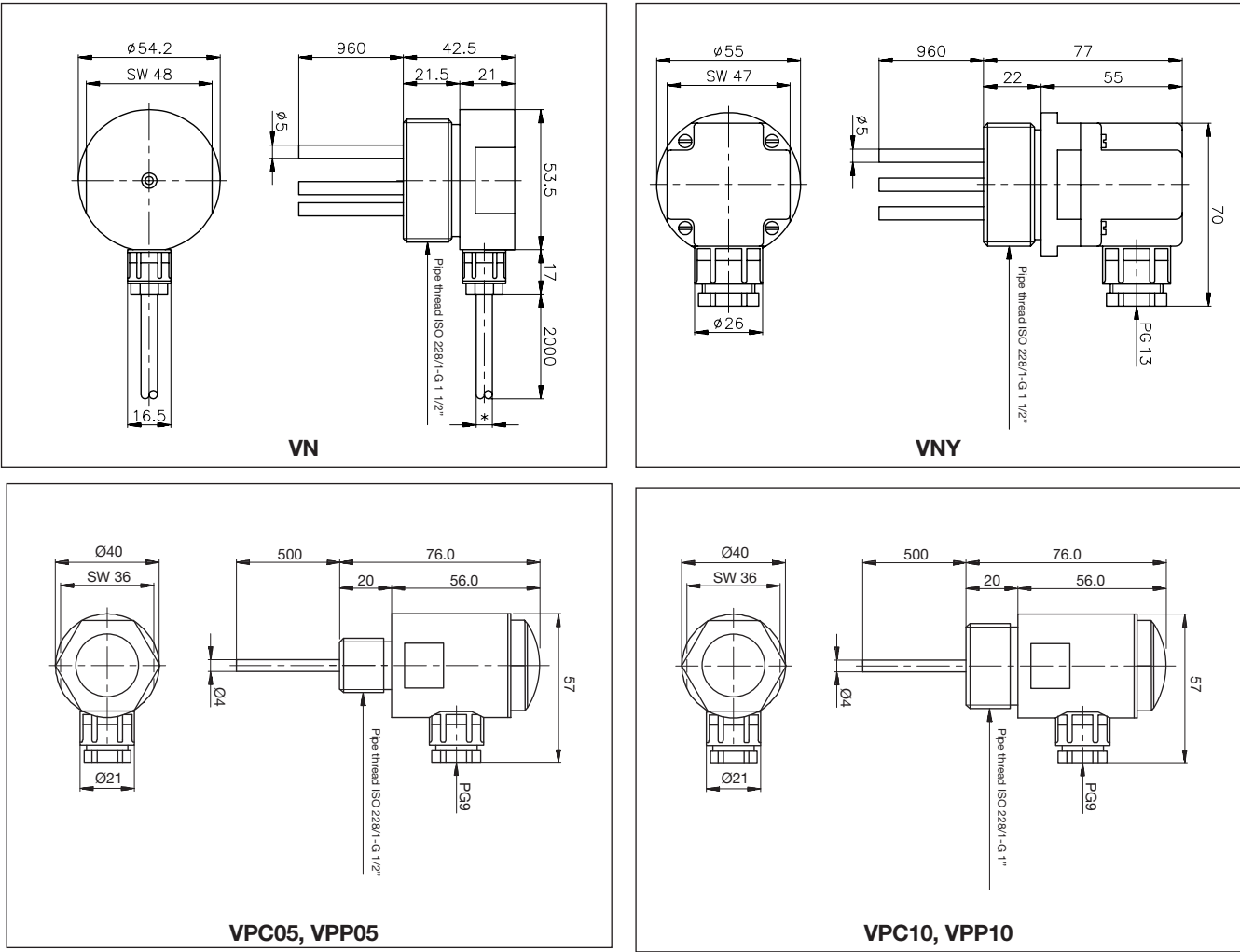
Mode of Operation

The length of the electrodes determines the levels which will be detected and the amplifier chosen determines the function (see CLP2EA1Cxxx or CLP-2FA1Bxxx). If the container is made of a conductive material this can be used as common electrode.

Wiring Diagrams



Dimensions



Accessories

Extension joint for Ø5 mm

electrodes (VN/VNI):

VD1

1/2" nut PVC:

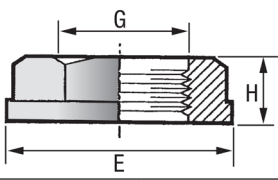
VM05

1" nut PVC:

VM10

1 1/2" nut PVC:

VM15



	G	H	E
VM05	1/2"	13 mm	38 mm
VM10	1"	16 mm	58 mm
VM15	1 1/2"	19 mm	76 mm