

PLASTIC PROBE for heavily soiled and aggressive media



DRUCK & TEMPERATUR

Nominal pressure 0...40 cmH₂O up to 0...100 mH₂O

Applications

Sewage

Waste water treatment

Water recycling

Dumpsite

Aggressive media

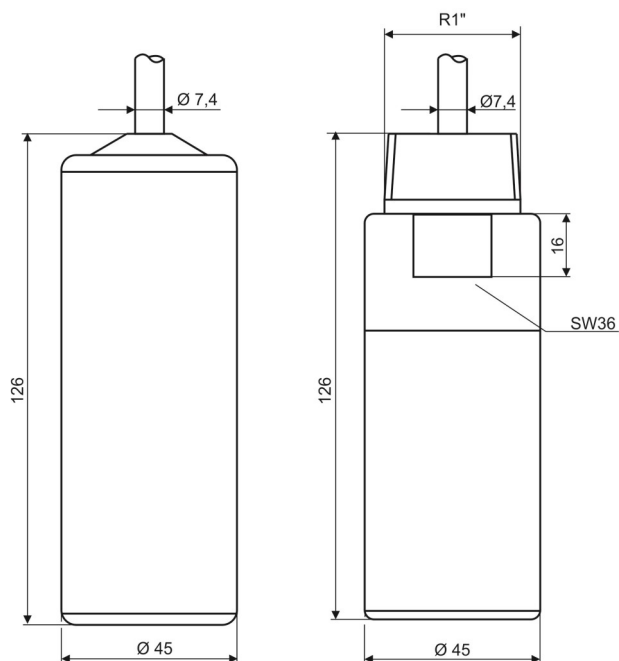
Level monitoring of many acids
and bases



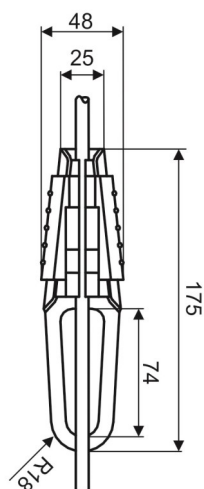
Type	3231	Options
Nominal pressure	0...40 cmH ₂ O up to 0...100 mH ₂ O	
Output signal	4...20 mA / 2-wire	0...10 V / 3-wire
Power supply	9...32 V _{DC} / 2- wire	U _B = 12,5 ... 32 VDC
Mean response time	Ø: < 200 ms max. 380 ms	
Accuracy	≤ ± 0,35 % FSO	≤ ± 0,25 % FSO
Long time stability	≤ ± 0,1 % FSO / year at reference conditions	
Permissible load	$R_{\max} = [(U_B - U_{bmin}) / 0,02 \text{ A}] \Omega$	
Turn-on time	700 ms	
Influence effects	Supply: 0,05% FSO / 10 V, load: 0,05 % FSO / KΩ	
Thermal error	≤ ± 0,1 % FSO in compensated range 0°C...70°C	
Temperatures	Media, storage, ambient: -25°C...100°C	
Electrical protection	permanent short-circuit protection, reverse polarity protection, emitted interference and interference immunity according to EN 61326	additional external over-voltage protection unit in terminal box
Electrical connection Cable with sheat material	PUR (-25°C...70°C), black Ø 7,4 mm FEP (-10°C...70°C), black Ø 7,4 mm do not use freely suspended probes with an FEP cable if effects due to highly charging processes are expected TPE (-25°C...100°C), blue Ø 7,4 mm	
Materials	Case: PP Diaphragm: Ceramics Al ₂ O ₃ 99,9% Seals: FKM, FFKM, EPDM	Case PVDF
Current consumption	max. 21 mA	
Weight	approx. 320 g without cable	
Protection	IP 68	
Accessories optional	Terminal clamp	

Type 3232

Dimensional drawings Dimensions in mm

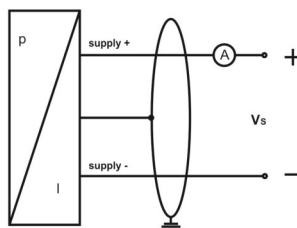


Tension clamp
for cable Ø5,5...10,5 mm
Galvanised steel,
optional 1.4301

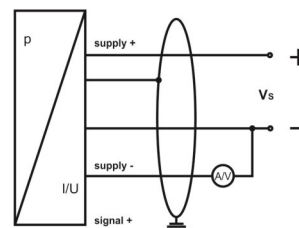


Wiring diagram

2-wire-system (current)



3-wire-system (voltage)



Input pressure range

Nominal pressure rel. in bar	0,04	0,06	0,1	0,16	0,25	0,4	0,6	1	1,6	2,5	4	6	10
Level mH ₂ O	0,4	0,6	1	1,6	2,5	4	6	10	16	25	40	60	100
Overpressure in bar	2	2	4	4	6	6	8	8	15	25	25	35	35