

STAINLESS STEEL PROBE for soiled and highly viscous media for small filling heights

Nominal pressure 0...40 cmH₂O up to ...200 mH₂O

Option: Ex-version



DRUCK & TEMPERATUR

Applications

Water

Drinking water production

Sewage

Waste water treatment, water recycling

Fuels / oils

Level monitoring in open containers

with low filling heights

fuel storage, tank batteries / biogas systems



Type	3230	Options
Nominal pressure	0...40 cmH ₂ O up to 0...200 mH ₂ O	
Output signal	4...20 mA / 2-wire	0...10 V / 3-wire U _B = 12,5 ... 32 VDC
Power supply	9...32 V _{DC} / 2-wire	
Mean response time	< 200 ms max. 380 ms	
Accuracy	≤ ± 0,35 % FSO	≤ ± 0,25 % FSO
Long term stability	≤ ± 0,1 % FSO / year at reference conditions	
Permissible load	R _{max} = [(U _B - U _{bmin}) / 0,02 A] Ω	
Switch-on time	700 ms	
Influence effects	Supply: 0,05% FSO / 10 V, load: 0,05 % FSO / KΩ	
Thermal error	≤ ± 0,1 % FSO / 10 K in compensated range -20°C...80°C	
Temperatures	Medium, storage, ambient, electronics: -25°C...125°C	
Electrical protection	permanent short-circuit protection, reverse polarity protection, emitted interference and immunity to interference acc. to EN 61 326	additional external over-voltage protection unit in terminal box
Electrical connection Cable with sheat material	PVC (-5°C...70°C), grey Ø 7,4 mm PUR (-25°C...70°C), black Ø 7,4 mm FEP (-25°C...70°C), black , Ø 7,4 mm do not use if highly charging processes are to be expected TPE (-25°C...125°C), blue Ø 7,4 mm	
Materials	Case: 1.4404 Diaphragm: Ceramics Al ₂ O ₃ 96% Seals: FKM, FFKM, EPDM Protection cap: POM-C	Diaphragm Ceramics 99,9 %, other seals on request
Current consumption	max. 21 mA	
Weight	approx. 400 g without cable	
Protection	IP 68	
Option only for 4...20 mA / 2-wire	EX-version acc. to ATEX Directive 2014/34/EU	
Accessories	Mounting flange with cable gland, terminal clamp	
Option cable protection for probe	prepared for mounting with stainless steel pipe; available as compact product (standard: stainless steel pipe with a total length up to 2 m possible; other lengths on request)	

Type 3230



Technical drawing of a tapered shaft-hub assembly. The drawing shows a cross-section of a hub with a central bore and a tapered outer profile. Dimensions are indicated as follows:

- Overall diameter at the top: 48
- Bore diameter at the top: 25
- Total height of the assembly: 74
- Taper section height: 1/5 (indicated by a dimension line and fraction)
- Bottom radius: R18 (indicated by a curved arrow pointing to the bottom edge)