



### Technical data for the SGE-25/Hastelloy level probe

#### Measuring range

Any measuring range 2 ÷ 200 m H<sub>2</sub>O

	Measuring Range	
	2...4 m H <sub>2</sub> O	10..200 m H <sub>2</sub> O
Overpressure Limit (repeatable – without hysteresis)	10 × range	10 × range
Accuracy % FSO	0,2%	0,2%
Thermal error	Typical 0,3% / 10°C max 0,4% / 10°C	Typical 0,2% / 10°C max 0,3% / 10°C

**Long term stability** 0,1% or 1 cm H<sub>2</sub>O for 1 year

**Hysteresis, repeatability** 0,05%

**Thermal compensation range** 0 ÷ 40°C – standard

**Medium temperature range** -30 ÷ 40°C

CAUTION: The medium must not be allowed to freeze in the immediate vicinity of the probe

### Electrical parameters

#### Output signal, power supply:

Signal type: 4 ÷ 20mA

Power supply: 8...36 VDC

$$\text{Load resistance (for current output)} \quad R[\Omega] \leq \frac{U_{\text{sup}}[\text{V}] - 8\text{V}}{0,02\text{A}}$$

**Error due to supply voltage changes** 0,005% / V

**Degree of protection** IP68

**Material of casing** Hastelloy

**Cable shield** ETFE

**Material of diaphragm** Hastelloy

### Ordering procedure

Model	Code	Description
SGE-25/Hastelloy		Level probe
Versions, certificates	/Exia..... /MR.....	II 1G Ex ia IIC T4/T5/T6 Ga/Gb I M1 Ex ia I Ma Marine certification (DNV)
Measuring set range	/...+... [required units]	Calibrated range in relation to 4mA and 20mA
Output signal	/4...20mA.....	4...20mA / power supply: 8...36VDC
Type of cable	/ETFE.....	ETFE cable with Viton sealing (medium temp. up to 40°C)
Cable length	/L=...m.....	Cable length (standard: 5m, 10m, 12m, 15m, 20m, 25m other length on request)
Accessories	/SG /PP	Cable hanger Junction box