

Technical data

Any measurement range $2 \div 20$ m H₂O (we recommend the standard ranges: 2, 4, 10 m H₂O)

	Measuring Range		
	2 m H ₂ O	4 m H ₂ O	0...10 m H ₂ O \div 20 m H ₂ O
Overpressure Limit (repeatable – without hysteresis)	20 × range	20 × range	10 × range
Accuracy % FSO acc. to IEC 60770	1.5%	1%	0.5%
Accuracy % FSO acc. to BFSL	0.75%	0.5%	0.25%
Thermal error of zero	Typical 0.4% / 10°C max 0.6% / 10°C		Typical 0.2% / 10°C max 0.3% / 10°C
Thermal error of span	Typical 0.3% / 10°C max 0.4% / 10°C		Typical 0.2% / 10°C max 0.3% / 10°C

Hysteresis, repeatability 0.05%

Thermal compensation range 0 \div 25°C

Medium temperature range -25 \div 75°C
-25 \div 50°C – for EEx version

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

Electrical parameters

Output signal 4 \div 20 mA, two wire transmission
Special version: 0 \div 10 V three wire transmission (not applicable to EEx)

Load resistance $R[\Omega] \leq \frac{U_{supL}[V] - 10.5V}{0.02 A}$
(for current output)

Load resistance $R \geq 5 k\Omega$
(for voltage output)

Power supply 10.5 \div 36 V DC (EEx: max 28 V)
15 \div 30 V DC (for 0 \div 10 V output)

Error due to supply voltage changes variation 0.005% / V

Degree of protection IP-68

Material of casing and diaphragm

SG-25S (casing 316Lss, diaphragm 316Lss /option Hastelloy C/)

SG-25C (casing 316Lss, diaphragm 316Lss)

Cable shielding POLYURETHANE

Special versions, certificates

- ◇ Teflon – Teflon cable shielding
- ◇ EEx – ATEX Intrinsic safety
- ◇ MR – Marine certificate DNV
- ◇ 0 \div 10 V – voltage output (not applicable to EEx; without overvoltage protection circuit)
- ◇ Others

Ordering procedure

SGE-25S / ___ / ___ / L = ... m

Special versions: Teflon, Ex ia, MR
0 \div 10 V, others (description)

Measurement range

Cable length

Ordering procedure

SGE-25C / ___ / ___ / L = ... m

Special versions: Teflon, MR, Ex ia
0 \div 10 V, others (description)

Measurement range

Cable length

Fitting accessories if required: **SG** cable hanger, **PP** junction box

Example: SGE-25S level probe / EEx version / measuring range 0 \div 4 m H₂O / cable length 8 m

SGE-25S / EEx / 0 \div 4 m H₂O / L = 8 m