

Technical data

Any measurement range 2 ÷ 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 ÷ 20 m H ₂ O
Overpressure Limit (repeatable – without hysteresis)	20 × range	20 × range	10 × range
Accuracy	1.5%	1%	0.5%
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 ÷ 25°C

Medium temperature range -25 ÷ 75°C
-25 ÷ 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 ÷ 20 mA, two wire transmission
Special version: 0 ÷ 10 V three wire transmission (not applicable to EEx)

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

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

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

Error due to supply voltage changes variation 0.005% / V

Degree of protection IP-68

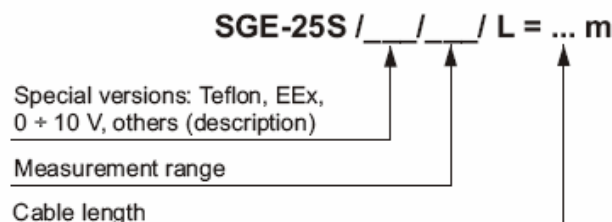
Material of casing and diaphragm 00H17N14M2 (316Lss)

Cable shielding POLYURETHANE

Special versions, certificates

- ◇ Teflon – Teflon cable shielding
- ◇ EEx – ATEX Intrinsic safety
- ◇ 0 ÷ 10 V – voltage output (not applicable to EEx; without overvoltage protection circuit)
- ◇ Others

Ordering procedure



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

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

SGE-25S / EEx / 0 ÷ 4 m H₂O / L = 8 m