

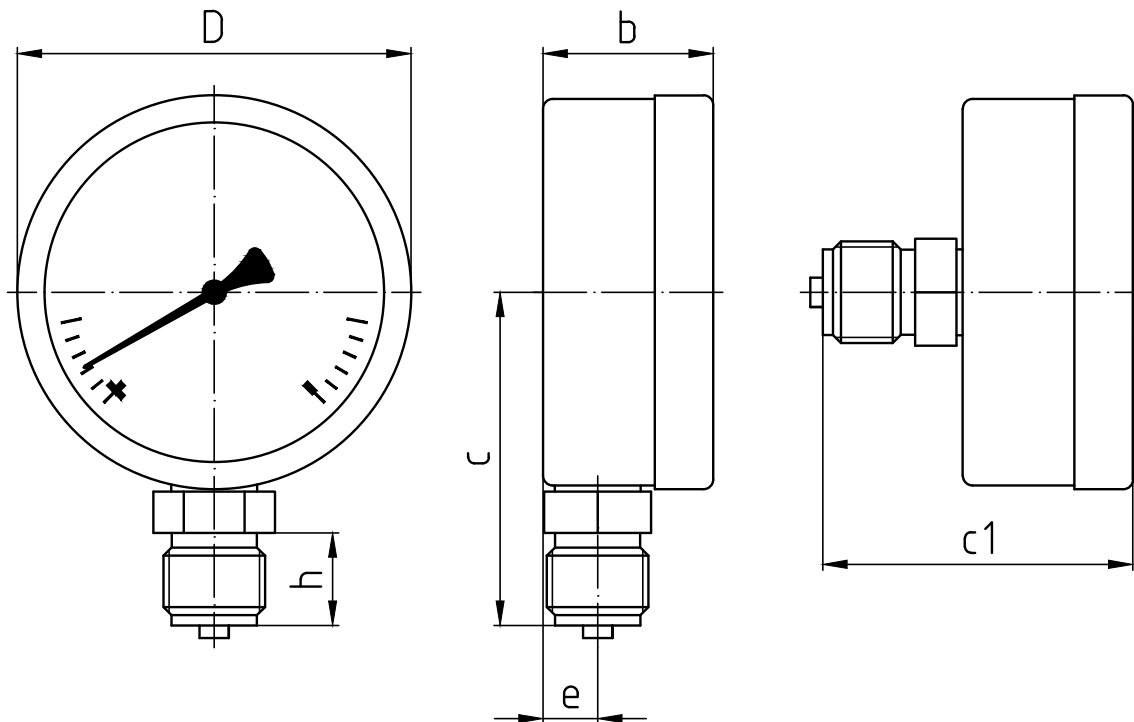
Applications and features

- Robust measuring device with slip-on bezel as rim impact protection, suitable for simple measurement and control requirements
- Suitable for gaseous, low-viscosity and non-crystallising measuring media that do not corrode brass
- Red mark pointer on instrument dial (preset to 2/3 of end scale value)
- Measurement accuracy: class 1.6; i.e. $\pm 1.6\%$ of the span
- Weather proof application conditions (IP32)
- Standard reading ranges acc. to EN 837-1, between -1 bar and 600 bar



Nominal size	Accuracy	Connection	Low radial	Centre back mount	Up radial	Lower back mount	Housing
NS 80	Cl 1.6	G 1/2B	•	•			Sheet steel, black
NS 100	Cl 1.6	G 1/2B	•	•			Sheet steel, black
NS 160	Cl 1.6	G 1/2B	•				Sheet steel, black

Technical features		Technical features	
Type standard	based on EN 837-1	Viscous measuring media	not applicable
Sensing element	Bourdon tube element (circular up to 40bar, helical starting from 60bar)	Crystallising measuring media	not applicable
Scale ranges (negative overpressure)	-1 bar ... 0 bar	Aggressive measuring media	not applicable
Scale ranges (positive overpressure)	0 bar ... 600 bar	Housing type	Housing with chrome-plated slip-on bezel
Scale ranges (neg./pos. overpressure)	-1 bar ... +15 bar	Ingress protection of the housing	IP32 acc. EN 60529 / IEC 528
Scale on dial	linear, 270 angle degrees	Type of mounting	stand-alone process connection
End stop on dial	with end stop pin	Sensing element material	brass
Fluctuating pressure limit	0.65 times of measuring span	Connection material	brass
Steady pressure limit	0.75-fold span	Window	scratch resistant instrument glass
Short time pressure limit	1.0-fold span	Material of instrument dial	Aluminium pure white coated, black imprint
Temperature effect on accuracy (+/- of T ref.)	no data	Pointer	Aluminium, anodized
Measuring medium temperature	max. +60°C	Red mark pointer	on instrument dial, preset with 2/3
Ambient temperature	-20°C to +60°C	Damping fluid	not designated, therefore see Fig. 130
Storage temperature	-20°C to +60°C	Protection and safety design	not possible
Gaseous measuring media	applicable	ATEX suitability	not approved
Fluid measuring media	applicable	Important notes	NS 80: max. 400 bar



!!! EN !!! Maße in mm Gewicht in kg

NG	D	b	c	c1	e	h	SW
NG 80	81	32	69	32,5	11,5	19	22
NG 100	100	35,5	81,5	32	14,5	19	22
NG 160	161	48		35,5	13,5	19	22

Options		Options	
Red marking on instrument dial	from 50 pcs	Factory calibration with inspection certificate 3.1 (EN 10204)	from 1 pcs
Housing made of CrNi 1.4571	from 100 pcs	Internationally recognised calibration (ÖKD)	from 1 pcs
Red mark pointer, adjustable from the outside	from 100 pcs	Verification: stamping mark	from 1 pcs
Text inscription in black block letters	from 100 pcs	Verification: stamping mark and verification certificate	from 1 pcs
Monochrome logo and text inscription	from 100 pcs	Special scale for standard reading/measuring range	from 100 pcs
Polychrome graphic, logo and text inscription	from 100 pcs	Special threads, e.g. NPT, M12x1.5	from 100 pcs
Silver soldering for measuring media > 60°C	from 100 pcs	Oxygen design, incl. certificate	from 10 pcs
Oil and grease free design incl. certificate	from 100 pcs		
Throttle screw 0.3mm	from 1 pcs		
Preparation for official verification	from 1 pcs		