

As test pressure gauge with portable case

Application

Portable instruments for the pressure measurement of gaseous or liquid media that do not corrode copper alloys or (as option) stainless steel 316Ti (1.4571), and for monitoring pressure gauges by connecting them to pressure gauge valves with test connection M20x1.5, test flange 60x25x10 (2.36x0.98x0.39") or circular test flange.

Pressure ranges
up to 0 – 25 bar

calibrated for gaseous media,
dial inscription "G"
calibrated for liquid media,
dial inscription "F"

from 0 – 40 bar

Standard Versions

Information on general and metrological features (e.g. load limits/temperature resistance) and standard pressure ranges/scale divisions can be found in model overview 2000.

Accuracy (DIN EN 837-1)
Class 0.6

Case

With bayonet ring, stainless steel 304 (1.4301)

Degree of Protection (DIN EN 60 529/IEC 529)
IP54

Nominal Case Size
160 mm (6")

Wetted Parts

Type – 1: connection: brass
Bourdon tube: ≤40 bar (600 psi) bronze, c-form
soft-soldered
60 bar (800 psi) CuBe, c-form
silver brazed
≥ 100 bar (1500 psi) stainless steel
316L (1.4404)
helical form
silver brazed

Type – 3: connection: stainless steel 316L (1.4404)
Bourdon tube: stainless steel 316L (1.4404)
gas-shielded arc welding
≤40 bar (600 psi) c-form
≥60 bar (800 psi) helical form

Case Configuration

Position of the connection: lateral at 3 o'clock

Pressure Ranges (DIN EN 837-1)
0 – 0.6 to 0 – 600 bar (0 – 10 to 0 – 10000 psi)

Process Connection

Angle pressure gauge valve with 2 clamping sleeves
M20x1.5 female and accessory

Window

Instrument glass



Movement

Brass/German silver

Dial

Aluminum white, scale black

Pointer

Knife edge pointer, aluminum black

Ordering Information, Standard Pressure Ranges, Options

See page 3

Special Versions and Further Options

- Inspection certificate 3.1 acc. to EN 10 204 for the accuracy
- Angle pressure gauge valve and accessory made of 316Ti (1.4571)
- Special adjustment, e.g. up to 0 – 160 bar with air, dial inscription G, upon request
- GOST version for Russia, Kazakhstan

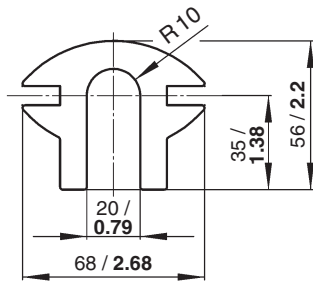
Scope of Delivery

- 1 portable case 400x380x100 (15.75x14.96x3.94") plastic black
- 1 fitting M20x1.5 / test flange 60x25x10 (2.36x0.98x0.39")
- 2 fixing screws M8
- 2 hexagon nuts M8
- 2 mounting spacers
- 2 flat gaskets Cu
- Bracket for circular test flange

Dimensional Data (mm/inch) and Weights, Accessories

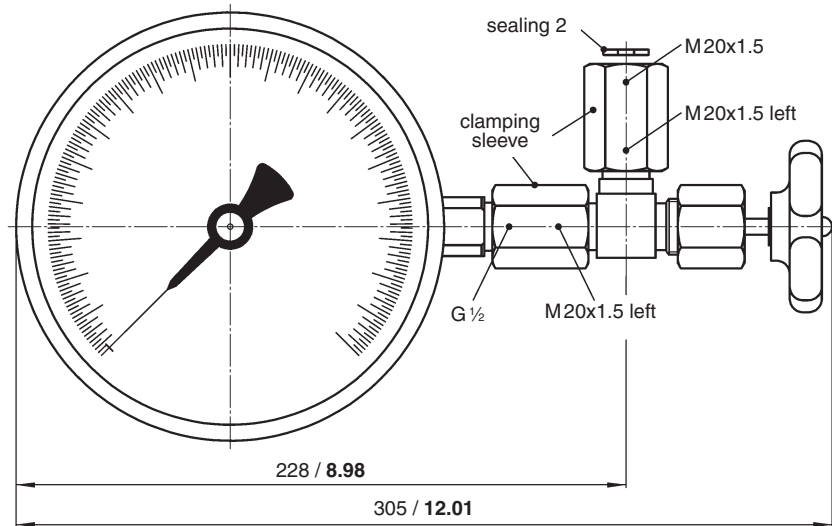
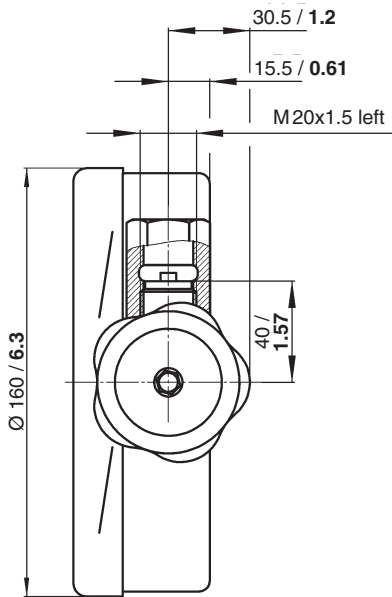
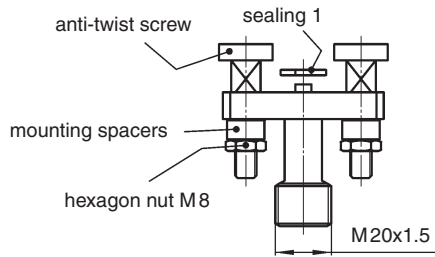
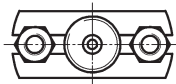
Bracket

in addition to the fitting for the connection to a circular test flange



Fitting

for the connection to the test flange 60x25x10 (2.36x0.98x0.39")



Weights

Approx. 1.6 kg (3.53 lb) pressure gauge RFPCh 160
 3.2 kg (7.05 lb) accessory (with pressure gauge valve and clamping sleeves M20x1.5)
 1.2 kg (2.65 lb) portable case (empty)
6.0 kg (13.23 lb) total

Ordering Information

Basic Model:	Bourdon Tube Test Gauge with Bayonet Ring Case		RFPCh	
Case filling:	without		without code letters	
Nominal case size:	case Ø 160 mm (6")		160	
Wetted material:	copper alloy		- 1	
	stainless steel		- 3	
Case configuration:	position of the connection	lateral at 3 o'clock	without code letters	
Pressure ranges:	-0.6 / 0 bar			
	-1 / 0 bar			
	-1 / +0.6 bar	30" hg vac. -	15 psi	
	-1 / +1.5 bar	30" hg vac. -	30 psi	
	-1 / +3 bar	30" hg vac. -	60 psi	
	-1 / +5 bar	30" hg vac. -	100 psi	
	-1 / +9 bar	30" hg vac. -	160 psi	
	-1 / +15 bar	30" hg vac. -	200 psi	
		30" hg vac. -	300 psi	
	0 - 0.6 bar	0 -	10 psi	
	0 - 1 bar	0 -	15 psi	
	0 - 1.6 bar			
	0 - 2.5 bar	0 -	30 psi	
	0 - 4 bar	0 -	60 psi	
	0 - 6 bar	0 -	100 psi	e.g. 0 - 6 bar
	0 - 10 bar	0 -	160 psi	
	0 - 16 bar	0 -	200 psi	
		0 -	300 psi	
	0 - 25 bar	0 -	400 psi	
	0 - 40 bar	0 -	600 psi	
	0 - 60 bar	0 -	800 psi	
		0 -	1,000 psi	
	0 - 100 bar	0 -	1,500 psi	
	0 - 160 bar	0 -	2,000 psi	
		0 -	3,000 psi	
	0 - 250 bar	0 -	4,000 psi	
		0 -	5,000 psi	
0 - 400 bar	0 -	6,000 psi		
0 - 600 bar	0 -	10,000 psi		
Process connection:	angle pressure gauge valve with 2 clamping sleeves M20x1.5 female		without code letters	

Example: RFPCh 160 - 3, 0 - 6 bar

Special Versions: Please describe your requirements in cleartext!