

ALL STAINLESS STEEL PRESSURE GAUGE

The label *Trafag Industrial Components* extends the Trafag brand name to instruments manufactured by qualified partner companies.

Trafag Industrial Components complement the genuine Trafag product range to offer customers a complete portfolio from one single source.

The TMP602 All Stainless Steel Pressure Gauge with diaphragm sensor allows the monitoring of low pressures down to 6 mbar.



Applications

- Liquid & gaseous mediums
- Corrosive environments
- Oil & Gas applications
- Chemical & Petrochemical
- Food & Beverages

Features

- All SS measuring system
- Socket-case, direct welded
- Threaded / Flanged connection
- External zero adjustment

Reference

- EN 837-3

Standard parameters	
Accuracy	CL 1.6
Ambient temperature	-40 ... + 65°C
Service temperature	100°C max
Pressure limits	Steady pressure up to FS value Fluctuating pressure up to 90% of FS value
Weld joints	TIG argon arc welding
Measuring range	-1 ... 0 to 0 ... 25 bar 0 ... 6 to 0 ... 600 mbar

Ordering code

		TMP602	- XX	- XXX	- XX	- XXX	- XX	- XX	- XX
1. Dial size	100 mm / 4"		04						
	150 mm / 6"		06						
2. Range	Refer "Range Table"			XXX					
3. Mounting pattern	Direct, Bottom connection					B0			
	2" Pipe/Yoke mounting, Bottom connection					B2			
	Direct, Center back connection					R0			
4. Process connection ¹	3/8" BSP (M)								13B
	1/2" BSP (M)								14B
	M20 X 1.5 mm (M)								14M
	1/2" NPT (M)								14N
	2" RF 150# as per ANSI B 16.5								A31
	3" RF 150# as per ANSI B 16.5								A43
	4" RF 150# as per ANSI B 16.5								A49
	2" RF 300# as per ANSI B 16.5								A32
	3" RF 300# as per ANSI B 16.5								A44
	4" RF 300# as per ANSI B 16.5								A50
5. Ingress protection	IP 54								EV
	IP 65								ER
6. Execution	Dry ²								EA
	Dampening liquid filled, glycerine								EG
	Dampening liquid filled, silicon oil ³								EH
7. Other options	Case & Ring in AISI 316 SS (B0)	BA							RW
	Case & Ring in AISI 316 SS (B2)	BC							TA
	Case & Ring in AISI 316 SS (R0)	BG							TC
	Dampening screw, AISI 316 SS	EN							TM
	Eco version	E8							TO
	Plexi glass	GB							XF
	Shatterproof safety glass	GC							XG
	AISI 316 SS movement	GL							XR
	External zero adjustment	GZ							XT
	Rubber parts, Viton	RA							

¹ For other connections, please contact factory.

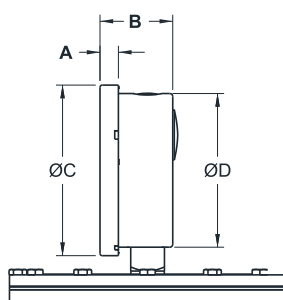
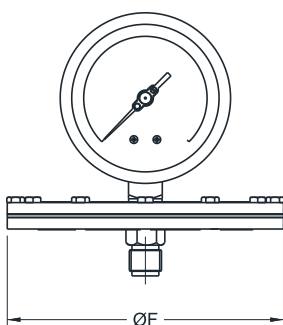
² Available with Ingress Protection IP54 (Dust proof).

³ Rubber parts shall Viton.

Specifications		
Material of construction	Sensing element	Diaphragm
	Case & Ring material	AISI 304 SS (Bayonet type)
	Diaphragm	AISI 316 SS
	Shank	AISI 316L SS (Welded directly to case)
	Movement mechanism	AISI 304 SS
	Dial	Aluminum, black graduation on white background
	Pointer	Micro-adjustable, aluminum, black powder coated
	Gaskets, Blow off disc & filling plug	Neoprene / NBR
	Window	Sheet glass
Standard specifications	Dial size	DN100 / DN150
	Range	-1 ... 0 to 0 ... 25 bar (type 1) 0 ... 60 to 0 ... 600 mbar (type 2) 0 ... 6 to 0 ... 40 mbar (type 3)
	Mounting pattern	Direct, Bottom connection
	Process connection	1/2" NPT (M) / 1/2" BSP (M)
	Ingress protection	IP 54
	Execution	Dry
	Standard specifications : dampening liquid filled, glycerin	Window
Dampening liquid		Glycerin 99.7% [Service temperature up to 65°C]
Temperature effect	When temperature of the measuring system deviates from reference temperature (+20°C) max error ±0.4% / 10K of true scale value.	

Dimensions - All dimensions are in mm

Type B0



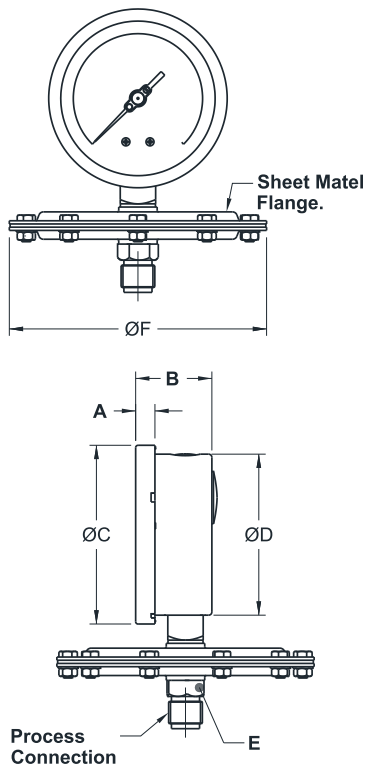
Process Connection E

Range	DN	A	B	ØC	ØD	E	ØF	Weight (grams)
1 to 25 bar	100	12	48	111	100	A/F-22	98	1551
	150	15	48	161	149	A/F-22	98	1945

Range	DN	A	B	ØC	ØD	E	ØF	Weight (grams)
40 mbar to 600 mbar	100	12	48	111	100	A/F-22	150	2235
	150	15	48	161	149	A/F-22	150	2629

Range	DN	A	B	ØC	ØD	E	ØF	Weight (grams)
Below 40 mbar to 6 mbar	100	12	48	111	100	A/F-22	180	2914
	150	15	48	161	149	A/F-22	180	3308

Type B0

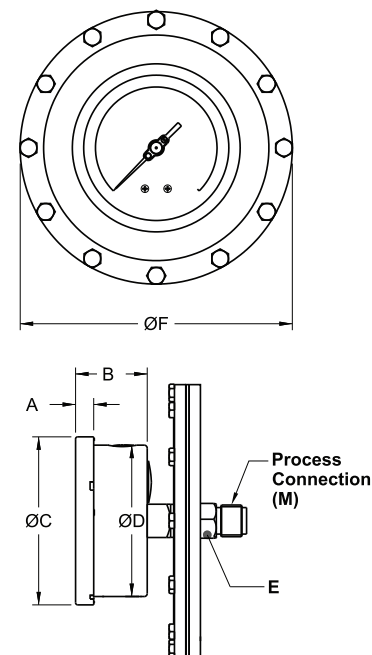


Range	DN	A	B	ØC	ØD	E	ØF	Weight (grams)
1 to 25 bar	100	12	48	111	100	A/F-22	98	810
	150	15	48	161	149	A/F-22	98	1204

Range	DN	A	B	ØC	ØD	E	ØF	Weight (grams)
40 mbar to 600 mbar	100	12	48	111	100	A/F-22	160	1583
	150	15	48	161	149	A/F-22	160	1977

Range	DN	A	B	ØC	ØD	E	ØF	Weight (grams)
Below 40 mbar to 6 mbar	100	12	48	111	100	A/F-22	180	1416
	150	15	48	161	149	A/F-22	180	1810

Type R0

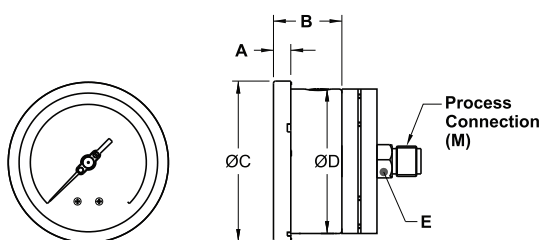


Range	DN	A	B	ØC	ØD	E	ØF	Weight (grams)
1 to 25 bar	100	12	48	111	100	A/F-22	98	1551
	150	15	48	161	149	A/F-22	98	1945

Range	DN	A	B	ØC	ØD	E	ØF	Weight (grams)
40 mbar to 600 mbar	100	12	48	111	100	A/F-22	150	2235
	150	15	48	161	149	A/F-22	160	2629

Range	DN	A	B	ØC	ØD	E	ØF	Weight (grams)
Below 40 mbar to 6 mbar	100	12	48	111	100	A/F-22	180	2914
	150	15	48	161	149	A/F-22	180	3308

Type R0 Compact version



Range	DN	A	B	ØC	ØD	E	Weight (grams)
-1 to 25 bar	100	12	48	111	100	A/F-22	810
	150	15	48	161	149	A/F-22	1204

Standard Ranges				Standard Ranges		Standard Ranges		Standard Ranges		Standard Ranges	
RANGE	bar	Kg/cm ²	bar/psi	RANGE	psi	RANGE	kPa	RANGE	MPa	RANGE	mbar
0 ... 0.6	B01	K01	N01	0 ... 10	S01	0 ... 60	E01	-	-	0 ... 6	A01
0 ... 1	B02	K02	N02	0 ... 15	S02	0 ... 100	E02	0 ... 0.1	M02	0 ... 10	A02
0 ... 1.6	B03	K03	N03	0 ... 25	S03	0 ... 160	E03	0 ... 0.16	M03	0 ... 16	A03
0 ... 2.5	B05	K05	N05	0 ... 35	S05	0 ... 250	E05	0 ... 0.25	M05	0 ... 25	A04
0 ... 4	B06	K06	N06	0 ... 60	S06	0 ... 600	E06	0 ... 0.4	M06	0 ... 40	A05
0 ... 6	B07	K07	N07	0 ... 90	S07	0 ... 600	E07	0 ... 0.6	M07	0 ... 60	A06
0 ... 7	B08	K08	N08	0 ... 100	S08	0 ... 700	E08	0 ... 0.7	M08	0 ... 100	A07
0 ... 10	B09	K09	N09	0 ... 150	S09	0 ... 1000	E09	0 ... 1	M09	0 ... 160	A08
0 ... 16	B11	K11	N11	0 ... 235	S11	0 ... 1600	E11	0 ... 1.6	M11	0 ... 250	A09
0 ... 25	B13	K13	N13	0 ... 365	S13	0 ... 2500	E13	0 ... 2.5	M13	0 ... 400	A10
-1 ... 0	B37	K37	N37	-30 ... 0 ¹	S37	-100 ... 0	E37	-0.1 ... 0	M37	0 ... 600	A11
-1 ... 0.6	B38	K38	N38	-30 ... 10 ¹	S38	-100 ... 60	E38	-0.1 ... 0.06	M38	-6 ... 0	A12
-1 ... 1.5	B39	K39	N39	-30 ... 20 ¹	S39	-100 ... 150	E39	-0.1 ... 0.15	M39	-10 ... 0	A13
-1 ... 3	B42	K42	N42	-30 ... 45 ¹	S42	-100 ... 300	E42	-0.1 ... 0.3	M42	-16 ... 0	A14
-1 ... 5	B43	K43	N43	-30 ... 75 ¹	S42	-100 ... 500	E43	-0.1 ... 0.5	M43	-25 ... 0	A15
-1 ... 9	B45	K45	N45	-30 ... 130 ¹	S45	-100 ... 900	E45	-0.1 ... 0.9	M45	-40 ... 0	A16
-1 ... 15	B47	K47	N47	-30 ... 220 ¹	S47	-100 ... 1500	E47	-0.1 ... 1.5	M47	-60 ... 0	A17
-1 ... 24	B49	K49	N49	-30 ... 350 ¹	S49	-100 ... 2400	E49	-0.1 ... 2.4	M49	-100 ... 0	A18
-	-	-	-	-	-	-	-	-	-	-160 ... 0	A19
-	-	-	-	-	-	-	-	-	-	-250 ... 0	A20
-	-	-	-	-	-	-	-	-	-	-400 ... 0	A21
-	-	-	-	-	-	-	-	-	-	-600 ... 0	B00

General notes

- Other scales & measurement units are available.
- Equivalent scales available in kg/cm², psi, kPa, MPa, bar/psi, kPa/bar, kPa/psi or any other special scales.
- Primary scales shall be in "BLACK" and secondary scales shall be "RED".
- Special scales, custom dial designs, OEM/private logo printing is available, details contact our marketing team.
- Any other range codes which are not available in the list shall be confirmed by factory.

Technical note

- In compound ranges, negative pressures are marked in In Hg, hence for example for -1 to 1 bar the corresponding scale shall be -30"Hg to 15 psi.

Additional information

Documents	Data sheet	H20013	www.trafag.com/H20013
	Instructions	H21012	www.trafag.com/H21012