

Pressure Gauge

Type A10 – Front Line

Date: June 2003

Sheet No.: 1-25GB



Standard pressure gauge, type A10

- Several material combinations adopted to media and environment
- Available in liquid filled or dry version
- Connection: Bottom or rear
- Mounting: Direct, surface or panel
- More than 40 different connection threads in 3 materials; e.g. G $\frac{1}{2}$ B brass
- Good long term stability
- Vibration proof
- Scale in accordance with international standards
- DNV approved

Application

This gauge series is well suited for applications in any process and marine environment where local indication is required.

Module System

The TEMPRESS program of connecting nipples and mounting auxiliaries makes it possible to deliver thread type and mounting form as required.

Temperature compensation

The unique system for temperature compensation ensures a correct reading even under heavily fluctuating ambient temperatures (0-60°C).

Safety

The temperature compensation system simultaneously works as blasting protection, i.e. if the measuring system blasts due to overpressure, the temperature compensation is blown out from the back of the instrument.

Approved by DNV (Det Norske Veritas).

Specifications	
Pressure Gauges:	DN 63 type A1001 DN 80 type A1002 DN 100 type A1003 DN 160 type A1004
Case material:	Steel, black enamelled
Option:	AISI 316
Front glass:	Acrylic
Option:	Toughened glass
Front ring	AISI 316
Liquid filling	Glycerine or silicone
Connection	Brass, steel or AISI 316 See datasheet 1-260GB
Measuring system	Brass/bronze, steel or AISI 316
Measuring range:	From -1 bar through 1600 bar
Min. span:	1 bar
Accuracy	Cl. 1.0 ($\pm 1\%$ FS) DN63: Cl. 1,6 ($\pm 1,6$ FS)
Measuring units	bar, Kpa, Mpa, Kp/cm ³ , Kg/cm ² , lb/in ² , psi, mH ₂ O, mbar, "HG, cmHg. When dual scale marking is selected, the main unit is the inner scale.
Dimensions	Please refer to datasheet: 1-262GB
Ambient and media temperature	Please refer to datasheet: 1-261GB

TEMPRESS reserves the right to changes without notice

Agent/Dealer:



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PRESSURE GAUGE, TYPE A10: DN 63/80/100/160

Case: black and connector in brass/steel

Company name:	Order no.:
Quantity:	Date:
Price:	Initials:
Requested delivery time:	Signature:
Comments:	

Choice number:	1	2	3	4	/	A	B	C	D	E	F	G	H	I	J	K	L
Ordering example:	A10	03	01	03	/	01	1	1	16	07	00	0	00	00	0	00	00
Your ordering:	A10				/								00	00	0	00	00

2: Size	
DN 63	01
DN 80	02
DN 100	03
DN 160	04

3: Direction	
Down	01
Rear (6 o'clock)	02
Rear (centrum) (DN63)	03

4: Range	
bar	03
psi	06
Bar/PSI * KPa/MPa	09

A: Case, black	
Glass	
Acrylic	01
Toughened glass	02
Memory pointer	03*4
Maximum pointer	04*4

B: Liquid /Dry	
Glycerine filled (>2bar / 29lb/in ²)	1
Silicone oil filled	2
Dry	3

C: Mounting	
Direct	0
Rear flange, black	1
Front flange, black	3
Clamp fixing set, steel	9

D: Connector/gasket	Brass
G1/8B / PTFE	01 (630)
1/8NPT / PTFE	02 (630)
G1/4 B / PTFE	06 (500)
1/4NPT / PTFE	07 (500)
G1/4 / PTFE	10 (200)*4
G3/8B / PTFE	11 (630)
3/8NPT / PTFE	12 (630)*4
G1/2B / PTFE	16 (800)
1/2NPT / PTFE	17 (800)*4
G1/2B DIN / PTFE	18 (800)*4
G3/4B / PTFE	21 (1250)*4
M20x1,5 / PTFE	25 (800)
	Steel
M12 / Ø6 / PTFE	58 (315)
M14 / Ø6 / PTFE	57 (630)*4
M14 / Ø8 / PTFE	59 (315)
Others types on request	

*2: () = max. pressure in bar
*4: not DN 63

E: Range in bar	Brass
-1-0	20
-1-0+0,6	21
-1-0+1	15
-1-0+1,5	22
-1-0+3	23
-1-0+5	24
-1-0+9	25
-1-0+10	16
0-1	02
0-1,6	03
0-2,5	04
0-4	05
0-6	06
0-7	12
0-10	07
0-14	13
0-16	08
0-20	14
0-25	09
0-40	10
0-60	11
	Steel
0-100	42
0-160	43
0-250	44
0-400	45
0-600	46
0-1000	47
0-1600	48*4

E: Range in psi	Brass
-30"Hg-0	20
-30"Hg-0+15	21
-30"Hg-0+30	22
-30"Hg-0+60	23
-30"Hg-0+100	24
-30"Hg-0+150	25
0-15	02
0-30	03
0-60	04
0-100	05
0-150	06
0-160	26
0-200	07
0-250	18
0-300	08
0-400	09
0-600	10
0-1000	11
	Steel
0-1500	42
0-2000	43
0-3000	44
0-4000	49
0-6000	45
0-10000	46
0-15000	47
0-20000	48*4

F: Dual range	
bar/psi:	06