

General purpose pressure gauge

Model : P140 series

Spec. sheet no. PD01-05

Service intended

P140 series are designed to withstand a severe weather conditions and the rust under chemical or petrochemical circumstances allowing continuous exposure to the atmosphere.



Nominal diameter

60 and 100 mm

Accuracy

60 and 100 mm : $\pm 1.5\%$ of full scale

Scale range (MPa, kPa, bar)

60 mm : -0.1 ~ 0 to 0 ~ 25 MPa

100 mm : -0.1 ~ 0 to 0 - 35 MPa

Working pressure

Steady : 75% of full scale

Over range protection : 130% of full scale

Working temperature

Ambient : -20 ~ 60°C

Fluid : Max. 60°C

Temperature effect

Accuracy at temperature above and below the reference temperature (20°C) will be effected by approximately $\pm 0.4\%$ per 10°C of full scale



Standard features

Pressure connection

Brass

Movement

Brass

Element

C type bourdon tube

60 and 100 mm : ≤ 10 MPa : Brass

> 10 MPa : 316SS

Dial

White aluminium with black graduations

Case

Polycarbonate

Pointer

Black painted aluminium alloy

Cover

Polycarbonate

Process connection

60 mm : $\frac{1}{4}$ " PT, NPT and PF

100 mm : $\frac{3}{8}$ " PT, NPT and PF

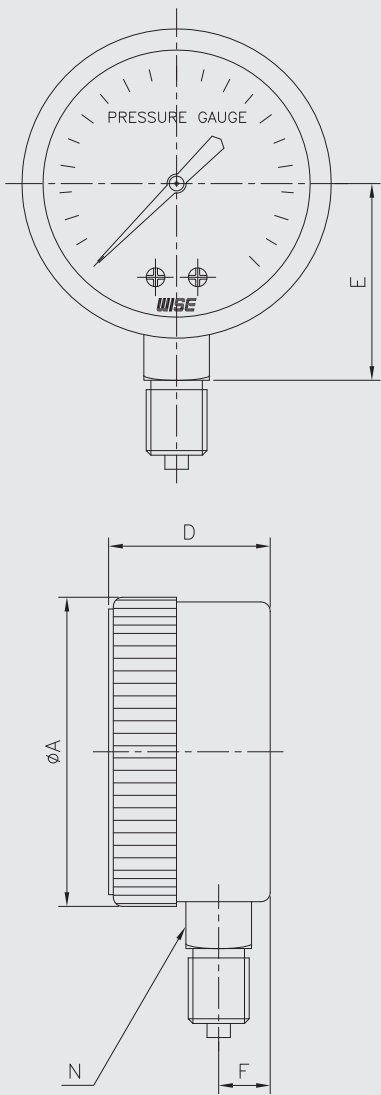
1. Base model**P140** General purpose pressure gauge**2. Nominal diameter (mm)****2** 60**4** 100**3. Type of mounting****A** Bottom connection, direct**4. Accuracy****4** ±1.5% of full scale**5. Process connection****C** 1/4"**D** 3/8" only available with diameter 100 mm**6. Connection type****B** PF**C** PT**D** NPT**Z** Other**7. Unit****H** bar**I** MPa**J** kPa**8. Range****XXX** Refer to pressure unit and range table**9. Dial color****1** 2 colors**5** 3 colors**10. Option****0** None**1** Accessories

1	2	3	4	5	6	7	8	9	10
P140	2	A	4	C	D	H	XXX	5	0

Sample
ordering code

P140 : Type of mounting

Code A



Dimensions (mm)

Dial size	Available code	A	D±2	E±2	F±1	N
60	A	70	31.5	42	11.5	14
100	A	110	35	116.5	13.5	17

Pressure unit and range table

Range and code	Unit and code			Nominal diameter	
	H : bar	I : MPa	J : kPa	60 mm	100 mm
026	-1 ~ 0	-0.1 ~ 0	-100 ~ 0	O	O
041	0 ~ 1	0 ~ 0.1	0 ~ 100	O	O
042	0 ~ 2	0 ~ 0.2	0 ~ 200	O	O
043	0 ~ 3	0 ~ 0.3	0 ~ 300	O	O
044	0 ~ 4	0 ~ 0.4	0 ~ 400	O	O
045	0 ~ 6	0 ~ 0.6	0 ~ 600	O	O
047	0 ~ 10	0 ~ 1	0 ~ 1,000	O	O
050	0 ~ 15	0 ~ 1.5	X	O	O
051	0 ~ 20	0 ~ 2	X	O	O
052	0 ~ 25	0 ~ 2.5	X	O	O
054	0 ~ 35	0 ~ 3.5	X	O	O
055	0 ~ 50	0 ~ 5	X	O	O
057	0 ~ 70	0 ~ 7	X	O	O
058	0 ~ 100	0 ~ 10	X	O	O
059	0 ~ 150	0 ~ 15	X	O	O
062	0 ~ 250	0 ~ 25	X	O	O
064	0 ~ 350	0 ~ 35	X	X	O
027	-1 ~ 1	-0.1 ~ 0.1	-100 ~ 100	O	O
028	-1 ~ 2	-0.1 ~ 0.2	-100 ~ 200	O	O
029	-1 ~ 3	-0.1 ~ 0.3	-100 ~ 300	O	O
030	-1 ~ 4	-0.1 ~ 0.4	-100 ~ 400	O	O
031	-1 ~ 6	-0.1 ~ 0.6	-100 ~ 600	O	O
032	-1 ~ 10	-0.1 ~ 1	-100 ~ 1,000	O	O
033	-1 ~ 15	-0.1 ~ 1.5	-100 ~ 1.5MPa	O	O
034	-1 ~ 20	-0.1 ~ 2	-100 ~ 2MPa	O	O

O : Available X : Not available