

# General purpose pressure gauge

## Model : P140 series

Spec. sheet no. PD0-04

### 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

60 and 100 mm : < 10 MPa : C type bourdon tube  
≥ 10 MPa : Bourdon tube 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 ¼"  
D ⅜" 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  
2 3 colors

**10. Option**

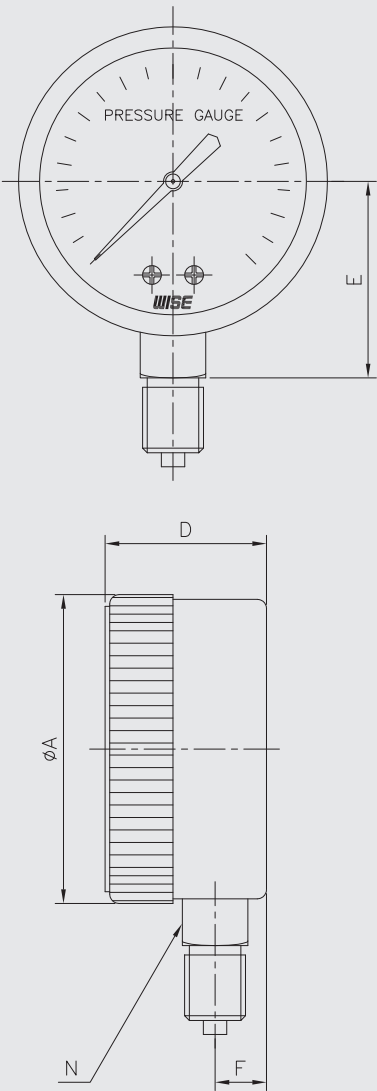
- 0 None  
1 Accessories

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

Sample  
ordering code

P140 : Type of mounting

Code A



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
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