

Air regulator service pressure gauge fully stainless steel wetted parts

Model : P113 series

Spec. sheet no. PD01-05

Service intended

P113 series are specifically designed for CDA (Clean dry air) application regulators used in electronic, medical, biotechnology and pharmaceutical industry.



Nominal diameter

50 mm (2")

Accuracy

±1.6 % of full scale

Scale range (MPa, bar)

0 ~ 40 MPa

Working pressure

Steady : 75 % of full scale

Over range protection : 130 % of full scale

Working temperature

Ambient : -40 ~ 65°C

Fluid : Max. 200°C

Temperature effect

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



Standard features

Pressure connection

304SS

Ring and window

Twist-lock polycarbonate

Element

Type 316L SS

<6 MPa : C-type bourdon tube

≥6 MPa : Helical type bourdon tube

Pointer

Black painted aluminium alloy

Case

Nickel plated steel

Process connection

1/4" NPT

Movement

Brass

Dial

White aluminium with pointer stop pin

With black/red lettering, dual pressure scale (bar/psi)

WISE®

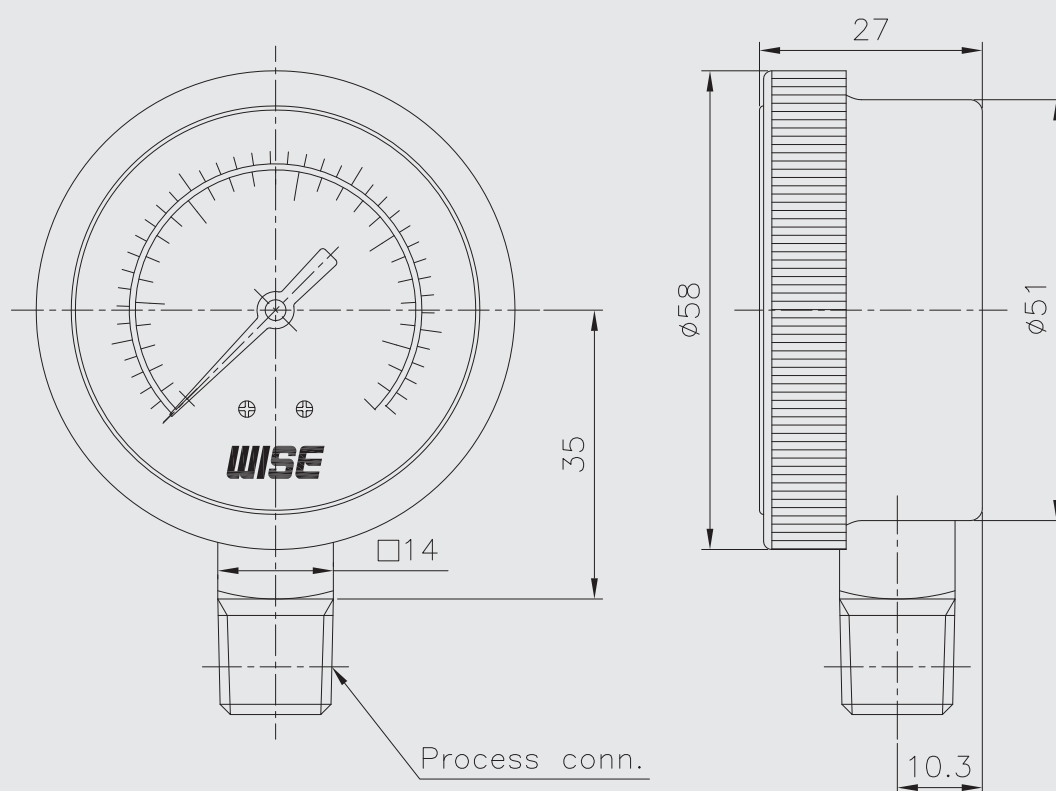
1. Base model**P113** Pressure gauge for regulator use**2. Nominal diameter (mm)****1** 50**3. Type of mounting****A** Bottom connection, direct**4. Accuracy****4** ±1.6% of full scale**5. Process connection****C** 1/4"**6. Connection type****D** NPT**7. Unit****H** bar**I** MPa**J** kPa**8. Range****XXX** Refer to pressure unit and range table**9. Dial color****6** 3 colors**10. Option****0** None**1** Accessories

1	2	3	4	5	6	7	8	9	10
P113	1	A	4	C	D	H	XXX	6	0

Sample
ordering code

P113 : Type of mounting

Code A



Pressure unit and range table

Range and code	Unit and code		50 mm
	H : bar	I : MPa	
042	0 ~ 2	0 ~ 0.2	O
044	0 ~ 4	0 ~ 0.4	O
046	0 ~ 7	0 ~ 0.7	O
142	0 ~ 14	0 ~ 1.4	O
051	0 ~ 20	0 ~ 2	O
151	0 ~ 40	0 ~ 4	O
057	0 ~ 70	0 ~ 7	O
170	0 ~ 140	0 ~ 14	O
172	0 ~ 210	0 ~ 21	O
174	0 ~ 270	0 ~ 27	O
065	0 ~ 400	0 ~ 40	O
028	-1 ~ 2	-0.1 ~ 0.2	O
012	-1 ~ 7	-0.1 ~ 0.7	O
016	-1 ~ 11	-0.1 ~ 1.1	O
033	-1 ~ 14	-0.1 ~ 1.4	O
034	-1 ~ 20	-0.1 ~ 2	O

O : Available X : Not available