

Euro gauge®

Solid front safety pressure gauge

Model : P257 Series

WISE®

Service intended

The P257 Series with a solid plate wall and a blow out back.
Its stainless steel case and cover have a good appearance
and an excellent proof against from a corrosion and a chemical attack.

Nominal diameter

63,100 and 160mm

Accuracy

Model : P2572(63mm) : $\pm 1.6\%$ of full scale

Model : P2574(100mm) & P2576(160mm) : $\pm 0.5\%$ of full scale
 $\pm 1.0\%$ of full scale

Scale range (MPa, kPa, bar)

63mm : -0.1 ~ 0 to 0 ~ 100MPa

100 and 160mm : -0.1 ~ 0 to 0 ~ 200MPa

Working pressure

Steady : 75% of full scale

Over Range Protection : 130% of full scale

Working temperature

Ambient : -40 ~ 65°C

Fluid : +200°C maximum (without liquid filling)

-20 ~ 60°C (with liquid filling)

Degree of protection

IP67



Standard features

Pressure connection

Stainless Steel(316SS) Option: Monel

Threaded entry, radial or back.

Element

Stainless Steel(316SS) Option: Monel

63mm : <6MPa : C Type Bourdon Tube

≥ 6MPa : Helical Type Bourdon Tube

100 and 160mm : <10MPa : C Type Bourdon Tube

≥ 10MPa : Helical Type Bourdon Tube

Case & bezel ring

Stainless Steel (304SS)

Bayonet Type

Blowout protection

Solid Front

Blow-Out Back

Window

Safety Glass

Movement

Stainless Steel

Dial

White Aluminium with Black Graduations

Pointer

Aluminium alloy, Black painted

Process connection

63mm : 1/8", 1/4" PT, NPT & PF

100 and 160mm : 1/4", 1/2", 3/8" PT, NPT & PF

Optional

Zero adjustable pointer

(Only available with diameter 100 and 160mm)

Liquid Filling

Electropolished Bezel Ring

Ordering information

Base model

P257: Solid front safety pressure gauge

Nominal diameter

2 : 63mm
4 : 100mm
6 : 160mm

Mounting type (Refer to mounting type & dimension)

A : Bottom Connection, Direct
C : Bottom Connection, Surface, Cover Mounting Plate
G : Lower back Connection, Direct, Not available with diameter 160mm
M : Lower back Connection, Flush, Case Center Mounting Bracket,
Not available with diameter 160mm
N : Lower back Connection, Flush, Cover Mounting Plate, Not available with diameter 160mm

Accuracy

2 : $\pm 0.5\%$ of Full Scale. Not available with diameter 63mm
3 : $\pm 1.0\%$ of Full Scale. Not available with diameter 63mm
4 : $\pm 1.6\%$ of Full Scale. Only available with diameter 63mm

Connection

B : 1/8" Only available with diameter 63mm
C : 1/4"
D : 3/8" Not available with diameter 63mm
E : 1/2" Not available with diameter 63mm

Connection type

B : PF
C : PT
D : NPT
F : BSPT
G : BSP(G)
Z : Other

Unit

Refer to Pressure Unit & Range Table

Range

Refer to Pressure Unit & Range Table

Dial color

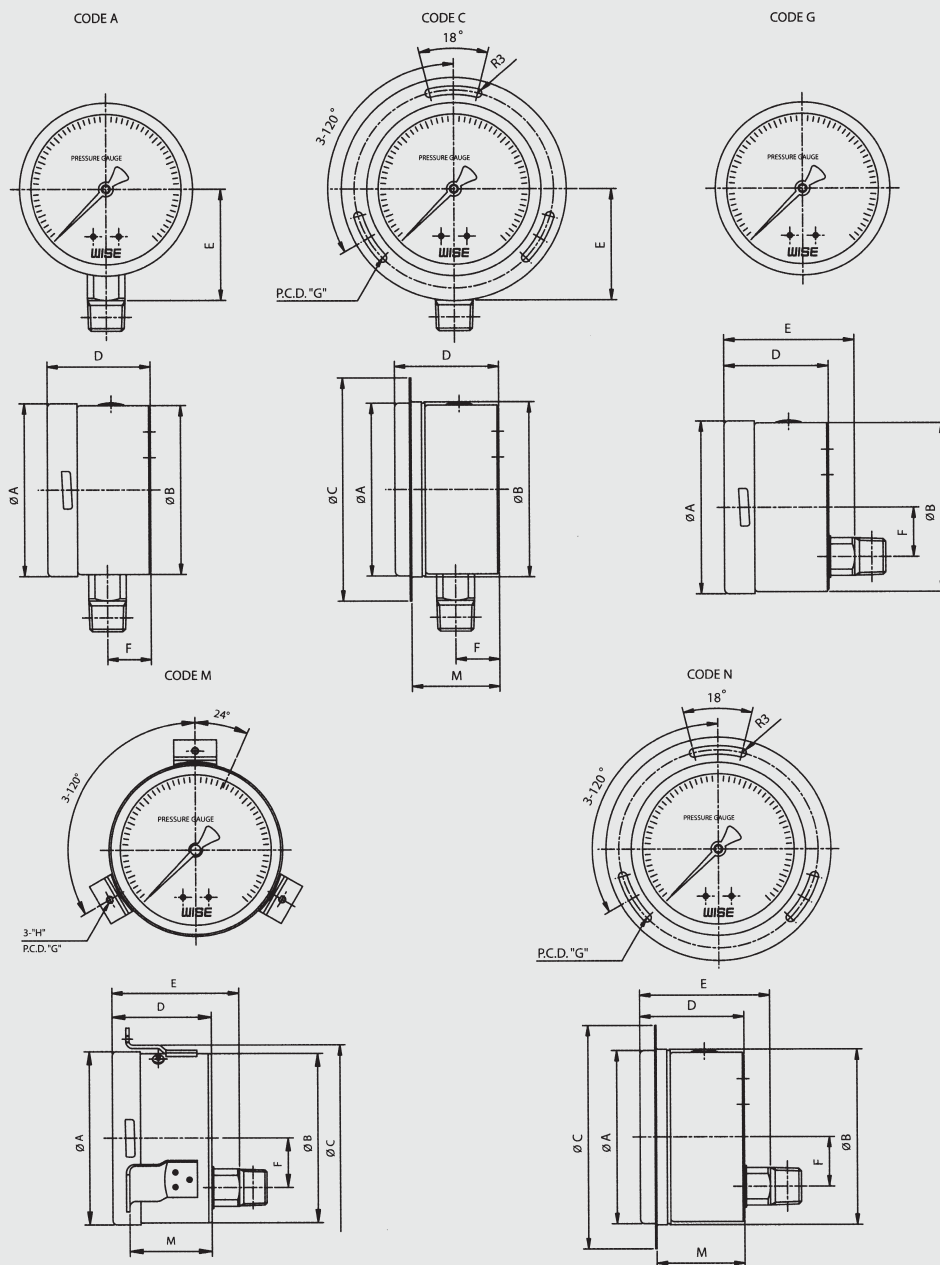
3 : 2 Colors
7 : 3 Colors

Options

0 : None
1 : Accessories
2 : Liquid Filling

P257	4	A	3	E	D	H	045	3	0	Sample model number
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P257 : Type of mounting



Dimensions (mm)										
DIAL SIZE	AVAILABLE CODE	A	B	C	D	E	F	G	H	M
63	A	63.7	62		42.5	41.8	17.2			
	G	63.7	62		42.5	51	16.7			
	M	63.7	62	68	42.5	51	16.7	75	M3X0.5	34
100	A	101.3	99		59	65	25.5			
	C	101.3	103.1	130.5	59	65	25.5	116		45
	G	101.3	99		59	75.5	29			
	N	101.3	103.1	130.5	59	75.5	29	116		45
160	M	101.3	99	108	59	75.5	29	116	M4X0.7	48
	A	160.8	159.6		62	90	25.6			
	C	160.8	162.5	196	62	90	25.6	178		57

Pressure unit & range table

RANGE & CODE	UNIT & CODE			NOMINAL DIAMETER		
	H : bar	I : MPa	J : kPa	63mm	100mm	160mm
026	-1	-0,1	-100	○	○	○
040	0,5	0,05	50	×	○	○
041	1	0,1	100	○	○	○
133	1,6	0,16	160	○	○	○
042	2	0,2	200	○	○	○
134	2,5	0,25	250	○	○	○
043	3	0,3	300	○	○	○
044	4	0,4	400	○	○	○
045	6	0,6	600	○	○	○
047	10	1	1000	○	○	○
050	15	1,5	-	○	○	○
143	16	1,6	-	○	○	○
051	20	2	-	○	○	○
052	25	2,5	-	○	○	○
054	35	3,5	-	○	○	○
151	40	4	-	○	○	○
055	50	5	-	○	○	○
056	60	6	-	○	○	○
057	70	7	-	○	○	○
058	100	10	-	○	○	○
059	150	15	-	○	○	○
060	160	16	-	○	○	○
062	250	25	-	○	○	○
064	350	35	-	○	○	○
065	400	40	-	○	○	○
066	500	50	-	○	○	○
067	600	60	-	○	○	○
068	700	70	-	○	○	○
070	1000	100	-	○	○	○
074	1600	160	-	×	○	○
075	2000	200	-	×	○	○
027	-1~1	-0,1~0,1	-100~100	○	○	○
127	-1~1,6	-0,1~0,16	-100~160	○	○	○
028	-1~2	-0,1~0,2	-100~200	○	○	○
129	-1~2,5	-0,1~0,25	-100~250	○	○	○
029	-1~3	-0,1~0,3	-100~300	○	○	○
030	-1~4	-0,1~0,4	-100~400	○	○	○
010	-1~5	-0,1~0,5	-100~500	○	○	○
031	-1~6	-0,1~0,6	-100~600	○	○	○
014	-1~9	-0,1~0,9	-100~900	○	○	○
032	-1~10	-0,1~1	-100~1000	○	○	○
033	-1~15	-0,1~1,5	-100~1,5MPa	○	○	○
034	-1~20	-0,1~2	-100~2MPa	○	○	○
035	-1~25	-0,1~2,5	-100~2,5MPa	○	○	○