

— Main order —

1. Base model

- ☐ P252 : Industrial service pressure gauge  
☐ P258 : Liquid filled industrial pressure gauge

2. Nominal diameter (mm)

- ☐ 2 : 63    ☐ 3 : 80    ☐ 4 : 100    ☐ 6 : 160

3. Type of mounting

- ☐ M : Lower back connection, flush, case center mounting bracket

4. Accuracy

- ☐ 2 :  $\pm 0.5\%$  of full scale.(Only available with diameter 100 and 160 mm)  
☐ 3 :  $\pm 1.0\%$  of full scale.(Not available with diameter 63 and 80 mm)  
☐ 4 :  $\pm 1.6\%$  of full scale.(Only available with diameter 63 and 80 mm)

5. Process connection

- ☐ B : 1/8"  
☐ C : 1/4"  
☐ D : 3/8", not available with diameter 63 mm  
☐ E : 1/2", not available with diameter 63 and 80 mm

6. Connection type

- ☐ B : PF    ☐ C : PT    ☐ D : NPT  
☐ F : BSPT    ☐ G : BSP (G)    ☐ Z : Other \_\_\_\_\_

7. Unit

- ☐ H : bar    ☐ I : MPa    ☐ J : kPa

— Sample ordering code —

1	2	3	4	5	6	7	8	9	10
P252	4	M	4	E	D	I	XXX	3	0

2						
1						
NO	REASON	DATE	PREPARED BY	CHECKED BY	APPROVED BY	

REVISION

WISE-C-QAP-0501-3 Rev.1 (A4W 297 \* 210)

8. Range

XXX : Refer to pressure unit and range table

9. Pressure connection material and dial color

- ☐ 3 : 316SS and 2 colors  
☐ 4 : 316L SS and 2 colors  
☐ 7 : 316SS and 3 colors  
☐ 8 : 316L SS and 3 colors  
☐ Z : Monel (Only available with diameter 100 and 160 mm)

10. Option

- ☐ 0 : None  
☐ 1 : Accessories  
☐ 2 : Silicone filling(P258)  
☐ 3 : Accessories and silicone filling(P258)

11. Adjustable pointer

- ☐ 0 : None  
☐ 1 : Zero adjustable pointer (Only available with diameter 100 and 160 mm)  
☐ 2 : External zero adjustment (Only available with diameter 100 and 160 mm)

— Standard specifications —

1. Working pressure

Steady : 75% of full scale (63 and 80 mm)  
100% of full scale (100 and 160 mm)

Over range protection : 130% of full scale

2. Working temperature

Ambient : P252 :  $-40 \sim 65^{\circ}\text{C}$   
P258 :  $-20 \sim 65^{\circ}\text{C}$  (With glycerin filling)  
 $-40 \sim 65^{\circ}\text{C}$  (With silicone filling)

Fluid : P252 : Max.  $200^{\circ}\text{C}$

P258 : Max.  $100^{\circ}\text{C}$  (With glycerin/silicone filling)

3. Degree of protection

EN60529/IEC529/IP65 (P252)

EN60529/IEC529/IP67 (P258)

4. Element type : Bourdon tube

5. Mat'l

- 1) Case & Cover : Stainless steel  
2) Element : Stainless steel (316SS)  
3) Process connection : Stainless steel (316SS)  
4) Movement : Stainless steel  
5) Windows : Safety glass

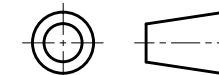
6. Dimension

	A	B	C	D	E	F	M
63mm	64	64.5	71	34	45	13	18.5
80mm	81.2	81.5	88	39.5	53.5	22	22.5
100mm	101.3	101	107.5	50	65	29	29.5
160mm	160.6	162	172	52.5	67.5	29	30.8

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Unless otherwise specified  
Decimal dimensions  $\pm 5$   
Angle dimensions  $\pm 1^{\circ}$   
Dimensions are in milli meter

THIRD ANGLE PROJECTION



	SIGNATURE	DATE	DRAWING TITLE :
PREPARED BY	K.S.LEE	18.06.01	"M" Type (Liquid filled) Industrial service pressure gauge
REVIEWED BY	J.S.PARK	18.06.01	DWG NO.
APPROVED BY	D.M.CHO	18.06.01	P252(8)XXXM-S.T.D
REV. NO.	0		SCALE : N/S    W.T.    SHEET OF

**WISE**<sup>®</sup>  
WISE Control Inc.