

# Flush diaphragm type pressure gauge

## Model: P757 series

Spec. sheet no. PD07-07

### Service intended

P757 series have diaphragm seal to be combined with a pressure gauge. These series are suitable to be used for the situation where corrosive, contaminated, hot, and viscous pressure mediums are present such as a chemical and food process.



### Nominal diameter

63, 80 and 100 mm

### Accuracy

63 and 80 mm :  $\pm 1.6$  % of full scale

100 mm :  $\pm 1.0$  % of full scale

### Scale range (MPa, kPa, bar)

Refer to pressure unit and range table

Depending on diaphragm size and process conditions

### Working pressure

Steady : 75 % of full scale

Over range protection : 130 % of full scale

### Working temperature

Ambient :  $-20 \sim 65$  °C

Fluid : Max. 100 °C

### Temperature effect

Accuracy at temperature above and below the reference temperature (20 °C) will be effected by approximately  $\pm 0.5$  % per 10 °C of full scale



## Standard features

### Body

Stainless steel (316SS)

### Diaphragm

Stainless steel (316L SS)

### Process connection

Stainless steel (316SS)

Screw connection

### Certificates

ATEX Ex II GD c IIC TX

**1. Base model****P757** Flush diaphragm type pressure gauge**2. Nominal diameter and mounting type**

**7A** 63 mm, bottom connection  
**7U** 80 mm, bottom connection  
**8A** 100 mm, bottom connection  
**7P** 63 mm, bottom connection (Liquid filling)  
**8U** 80 mm, bottom connection (Liquid filling)  
**8P** 100 mm, bottom connection (Liquid filling)

**3. Body and process connection material****D** 316SS**4. Process connection**

**FC** ¾" PT  
**GC** 1" PT  
**HC** 1¼" PT  
**FD** ¾" NPT  
**GD** 1" NPT  
**HD** 1¼" NPT  
**ZZ** Other

**5. Unit**

**H** bar  
**I** MPa  
**J** kPa

**6. Range****XXX** Refer to pressure range table**7. Diaphragm material**

**E** 316L SS  
**Z** Other

**8. Option**

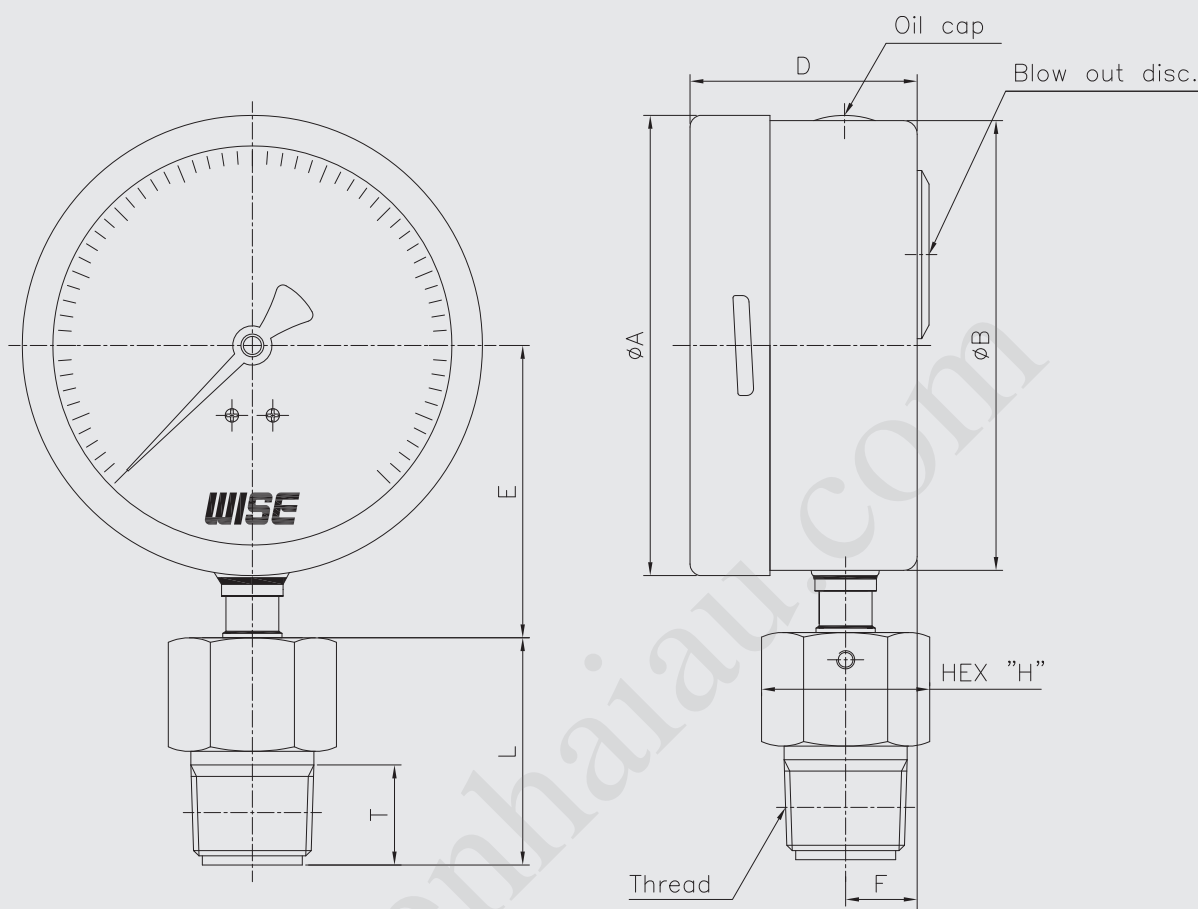
**0** None  
**1** Accessories

Note 1. . Max temperature and pressure of process medium will be specified on order sheet.

**Sample ordering code**

1	2	3	4	5	6	7	8
P757	8A	D	FC	H	XXX	E	0

## P757 : Type of mounting



Dimensions (mm)

Dial size	A	B	D±2	E±2	F±1	Thread	L	T	H
63	64	62	34	50.5	11	PT 3/4"	41	19	32X37 HEX.
						PT 1"	46	24	36X41.5 HEX.
80	81.2	78.5	39.5	59	12	PT 1 1/4"	43	24	46X53 HEX.
						NPT 3/4"	41	19	32X37 HEX.
100	101.3	99	50	75	16	NPT 1"	46	24	36X41.5 HEX.
						NPT 1 1/4"	43	24	46X53 HEX.

## Range table

Range and code	Unit and code		Pressure connection		
	H : bar	I : MPa	PT ¾"	PT 1"	PT 1¼"
045	0 ~ 6	0 ~ 0.6	O	O	O
047	0 ~ 10	0 ~ 1	O	O	O
050	0 ~ 15	0 ~ 1.5	O	O	O
143	0 ~ 16	0 ~ 1.6	O	O	O
051	0 ~ 20	0 ~ 2	O	O	O
052	0 ~ 25	0 ~ 2.5	O	O	O
054	0 ~ 35	0 ~ 3.5	O	O	O
151	0 ~ 40	0 ~ 4	O	O	O
055	0 ~ 50	0 ~ 5	O	O	O
056	0 ~ 60	0 ~ 6	O	O	O
057	0 ~ 70	0 ~ 7	O	O	O
058	0 ~ 100	0 ~ 10	O	O	O
059	0 ~ 150	0 ~ 15	O	O	O
060	0 ~ 160	0 ~ 16	O	O	O
062	0 ~ 250	0 ~ 25	O	O	O

O : Available