

# Sanitary pressure gauge - Male connection (3-A marking)

## Model: P753S series

Spec. sheet no. PD07-06

### Service intended

P753S 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, and it could be used for a chemical, food, beverage, biochemical, and pharmaceutical industry.



### Special features

3-A certificated  
Suitable for SIP and CIP  
All stainless steel and welded construction

### Nominal diameter

63 and 100 mm

### Accuracy

±1.6% of full scale

If scale range less than 100 psi : ±2.0% of full scale

### Scale range

-0.2 ~ 3.5 MPa, single

### Working pressure

Steady pressure : 75% of full scale value

Fluctuating pressure : 67% of full scale value

### Operating temperature

Ambient : -20 ~ 65°C

Fluid : Max. 121°C

### Temperature effect

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



## Standard features

### Process connection

DIN Round thread 28-8

### Pointer

Black painted aluminium alloy

### Case and cover

Stainless steel (304SS)

Electropolished with pressure relief

### Helium leak rate

Tested to confirm leakage rates of less than 10<sup>-8</sup> mbar • ℓ /sec

### Window

Safety glass

### System filling

USP grade glycerin (FDA approved)

### Movement

Stainless steel

### O-ring

Supplied by FDA approved Supplier (Viton)

### Dial

White aluminium, with pointer stop pin

With black/red lettering, dual pressure scale

### Optional

Material of wetted parts : Electropolished 316L SS

**WISE®**

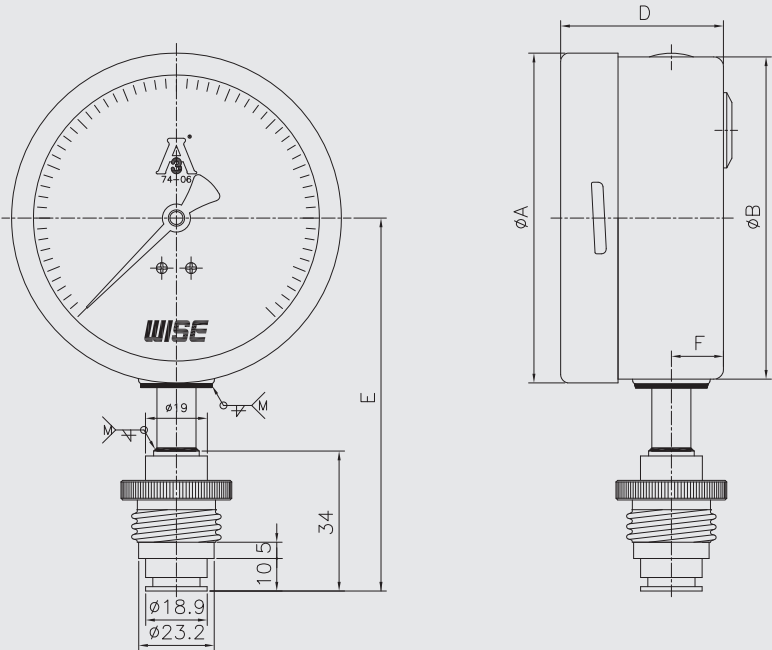
**1. Base model****P753S** Sanitary pressure gauge - Male connection (3-A marking)**2. Nominal diameter and mounting type****7A** 63 mm, bottom connection (refer to code A)**8A** 100 mm, bottom connection (refer to code A)**7G** 63 mm, lower back connection (refer to code G)**8G** 100 mm, lower back connection (refer to code G)**3. Body and process connection material****D** 316SS**4. Process connection****F** DIN Round thread 28-8**5. Unit****H** bar**I** MPa**J** kPa**6. Range****XXX** Refer to pressure range table**7. Diaphragm material****E** 316L SS**8. Options****0** None**1** Accessories

1	2	3	4	5	6	7	8
P753S	8A	D	F	H	XXX	E	0

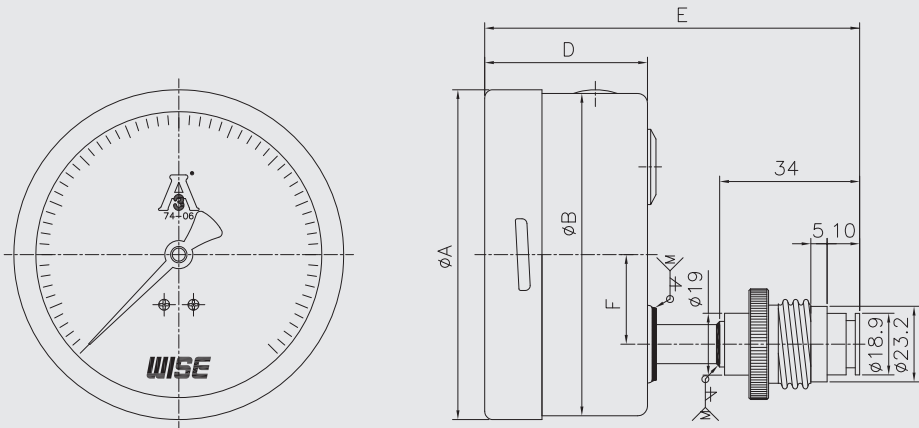
Sample  
ordering code

# P753S : Type of mounting

Code A



Code G



Dimensions (mm)						
Dial size	Available code	A	B	D±2	E±2	F ±1
63	A	64	62	34	77.5	11
	G				78.5	13
100	A	101.3	99	50	102.5	16
	G				101.5	24

## Range table

Range and code	Unit and code		Pressure connection
	H : bar	I : MPa	<sup>3</sup> / <sub>4</sub> S
042	0 ~ 2	0 ~ 0.2	O
044	0 ~ 4	0 ~ 0.4	O
045	0 ~ 6	0 ~ 0.6	O
047	0 ~ 10	0 ~ 1	O
050	0 ~ 15	0 ~ 1.5	O
051	0 ~ 20	0 ~ 2	O
052	0 ~ 25	0 ~ 2.5	O
054	0 ~ 35	0 ~ 3.5	O

O : Available    X : Not available