

## ST/STEEL CASE WITH INTERNAL BRASS PRESSURE GAUGE ( Crimped Casing )



P250 ( Dry ) & P251 ( Oil Filled ) models are designed for corrosive environment which media Do not corrode the brass and which do not have high viscosity or do not crystallize with applicable On general, chemical, petro-chemical, refining, marine, power plants pumps, compressors, hydraulic, refrigerating and HVAC system.

Systems or equipments with pulsating pressure or mechanical shock & vibration are apparent, the oil filled model is recommended.

### Standard Specification

Model	: P250 ( Dry ) & P251 ( Oil Filled )
Dial Size	: 2 1/2" ( 63mm ) & 4" ( 100 mm )
Case / Cover	: SS304
Window	: Polycarbonate Clear
Movement	: Brass
Element Tube and Connection	: Brass
Accuracy	: - / + 1.6% of FS
Blow Protection	: Top, Rubber.
Degree Protection	: IP 54
Working Pressure	: Max 75% of FS
Over Pressure Limit	: Referred to full scale value
Ambient Temperature	: -20 ~ +60 °C
Process Temperature	: Max +60 °C
Oil Filling ( Damping Liquid )	: Glycerin Oil

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# PROCESS INDUSTRIAL PRESSURE GAUGE

2/4

## MODEL

P250 ( DRY )

P251 ( OIL FILLED )

## MOUNTING TYPE ( REFER TO DIMENSION )

**A:** Direct bottom connection

**B:** Bottom connection with surface mounting plate

**D:** Direct center back connection

**BD:** Center back connection with panel mounting plate

**BDC:** Center back connection with clamp

## DIAL SIZE

2" ( 50mm )

2 1/2" ( 63mm )

4" ( 100mm )

## RANGE ( REFER PRESSURE TABLE )

## STANDARD CONNECTION TYPE

1/4" BSPT ( 2" & 2 1/2" Dial )

3/8" BSPT ( 4" Dial )

## SAMPLE OF ORDERING

P 250

A

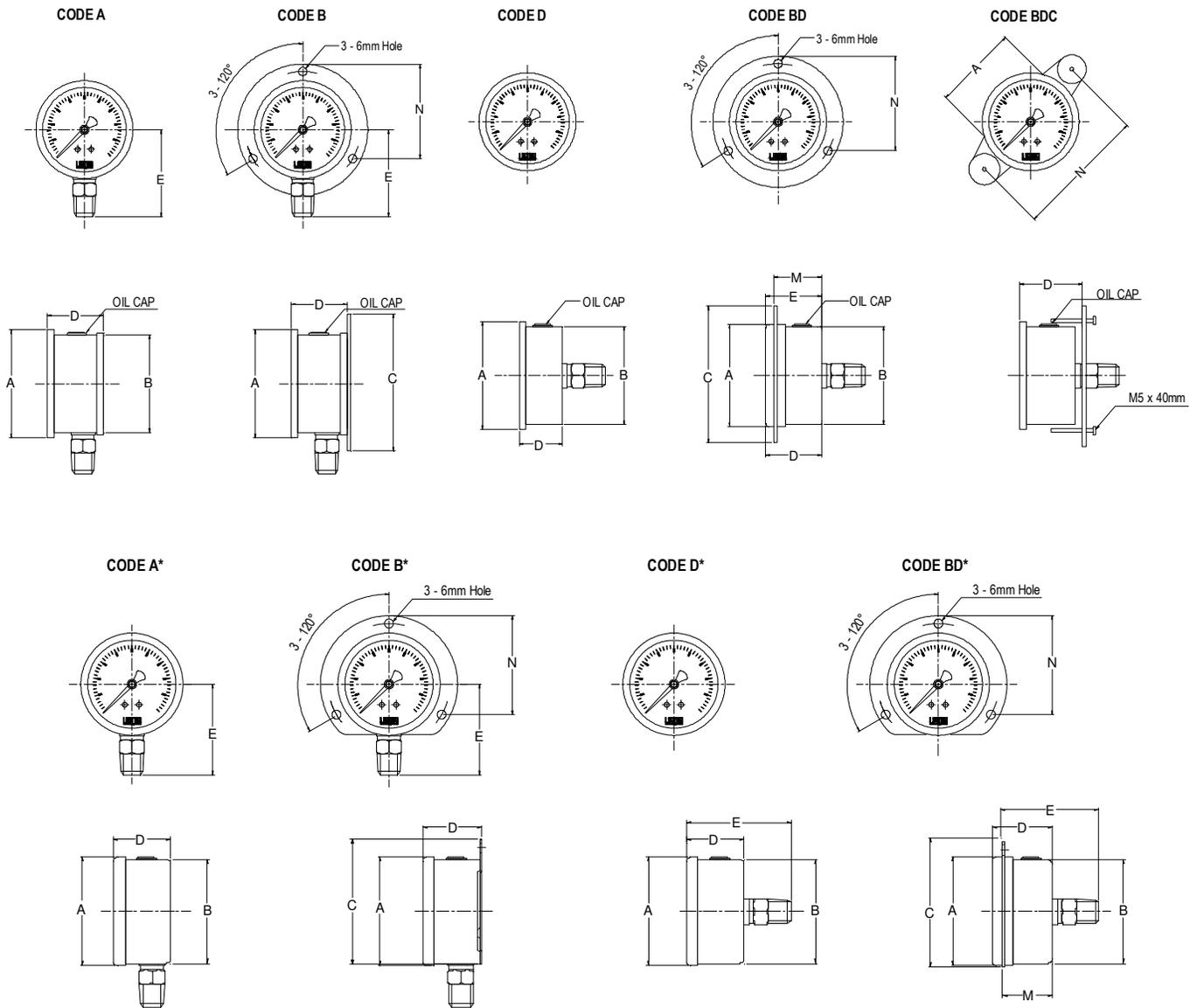
2 1/2"

0~10K

1/4" BSPT

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Scale (mm)

DIAL SIZE	CODE	A	B	C	D	E	M	N
Ø50	A	57.60	52.0		29.0	53.50		
	D							
Ø63	A	68.0	63.0	90.0	27.0	57.0	24.0	57.0
	B							57.0
	D							57.0
	BD							73.0
Ø100	A*	105.85	98.45	122.0	35.0	77.0	28.0	87.0
	B*							87.0
	D*							87.0
	BD*							87.0

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4 / 4

## STANDARD AVAILABLE RANGES

GAUGE	RANGE ( Kg/cm <sup>2</sup> / psi )	DIAL SIZE		
		2"	2 1/2"	4"
VACUUM	-76cmHg ~ 0 (-30"Hg )	O	O	O
COMPOUND	-76cmHg ~ 1 Kg/cm <sup>2</sup> (5 psi)	O	O	O
	-76cmHg ~ 2 Kg/cm <sup>2</sup> (30 psi)	O	O	O
	-76cmHg ~ 3 Kg/cm <sup>2</sup> (45 psi)	O	O	O
	-76cmHg ~ 4 Kg/cm <sup>2</sup> (60 psi)	O	O	O
	-76cmHg ~ 7 Kg/cm <sup>2</sup> (100 psi)	O	O	O
	-76cmHg ~ 10 Kg/cm <sup>2</sup> (150 psi)	O	O	O
	-76cmHg ~ 15 Kg/cm <sup>2</sup> (200 psi)	O	O	O
	-76cmHg ~ 20 Kg/cm <sup>2</sup> (300 psi)	O	O	O
PRESSURE	0 ~ 1 Kg/cm <sup>2</sup> (15 psi)	O	O	O
	0 ~ 2 Kg/cm <sup>2</sup> (30 psi)	O	O	O
	0 ~ 3 Kg/cm <sup>2</sup> (45 psi)	O	O	O
	0 ~ 4 Kg/cm <sup>2</sup> (60 psi)	O	O	O
	0 ~ 6 Kg/cm <sup>2</sup> (80 psi)	O	O	O
	0 ~ 7 Kg/cm <sup>2</sup> (100 psi)	O	O	O
	0 ~ 10 Kg/cm <sup>2</sup> (150 psi)	O	O	O
	0 ~ 15 Kg/cm <sup>2</sup> (200 psi)	O	O	O
	0 ~ 20 Kg/cm <sup>2</sup> (300 psi)	O	O	O
	0 ~ 25 Kg/cm <sup>2</sup> (350 psi)	O	O	O
	0 ~ 30 Kg/cm <sup>2</sup> (400 psi)	O	O	O
	0 ~ 35 Kg/cm <sup>2</sup> (500 psi)	O	O	O
	0 ~ 40 Kg/cm <sup>2</sup> (600 psi)	O	O	O
	0 ~ 50 Kg/cm <sup>2</sup> (700 psi)	X	O	O
	0 ~ 60 Kg/cm <sup>2</sup> (900 psi)	X	O	O
	0 ~ 70 Kg/cm <sup>2</sup> (1000 psi)	X	O	O
	0 ~ 100 Kg/cm <sup>2</sup> (1500 psi)	X	O	O
	0 ~ 150 Kg/cm <sup>2</sup> (2000 psi)	X	O	O
0 ~ 250 Kg/cm <sup>2</sup> (3800 psi)	X	O	O	

X : Not Available    O : Available

\*\*Note: Due to ongoing and development, technical information could changed without notice

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