

## FEATURES

- Precision measuring system
- High resolution dial
- Knife Edge pointer
- Anti-parallax mirror band
- Jewel bearing movement
- Easy to read scale

## APPLICATION

- Calibration & testing labs
- Calibration & testing of industrial pressure gauges

### SS Case



#### STANDARD PARAMETERS

Accuracy	:	CL 0.25
Ambient temperature	:	20...+65°C
Service temperature	:	65°C max.
Pressure limits	:	Steady pressure up to 75% of FS value
Weld joints	:	Silver alloy brazing

#### MATERIAL OF CONSTRUCTION

Sensing element	:	Bourdon Tube (<100 bar : C - type , > 100 bar : Helical)
Case & Ring material	:	AISI 304 SS (Bayonet type)
Bourdon tube	:	Beryllium Copper
Shank	:	AISI 316L SS
Integral dampening screw	:	AISI 316 SS
Movement mechanism	:	High precision (Jewel bearing type)
Dial	:	Aluminum, green with black marking & anti-parallax mirror band
Pointer	:	Balanced, knife-edge micrometer adjustable
Pointer stopper	:	Spring type
Gaskets & Blow off disc	:	Neoprene
Window	:	Safety glass

#### STANDARD SPECIFICATIONS

Dial size	:	DN 150 / DN250
Range	:	-1...700 bar
Mounting pattern	:	Direct, Bottom connection
Process connection	:	½" NPT (M)
Ingress protection	:	IP 65
Execution	:	Dry
Carrying case	:	Pine wood carrying case
Calibration certificate	:	Calibration certificate traceable up to National & International standards

#### TEMPERATURE EFFECT

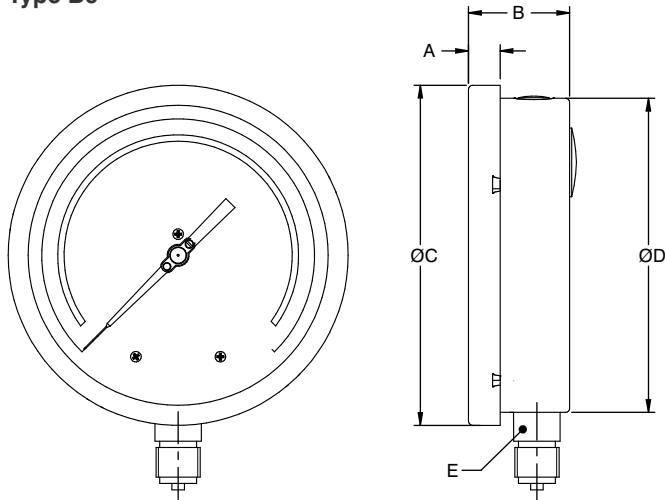
When temperature of the measuring system deviates from reference temperature (+20°C) max error  $\pm 0.4\%$  / 10K of true scale value.

## REFERENCE

EN 837-1

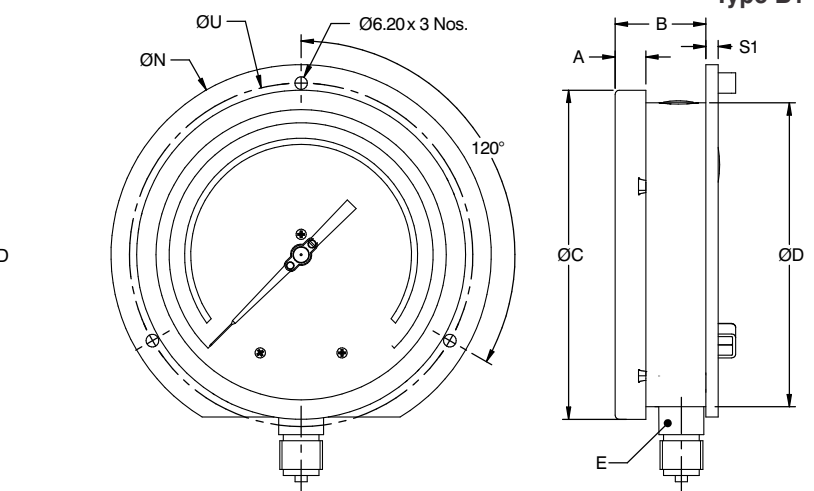
## DIMENSIONAL DRAWING

### Type B0



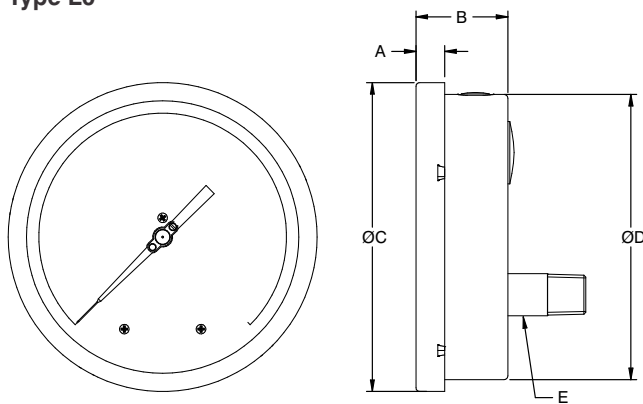
DN	A	B	ØC	ØD	E	Weight (grams)
150	15	48	161	149	SQ.22	950
250	18.5	50	263	250	SQ.22	2150

### Type B1



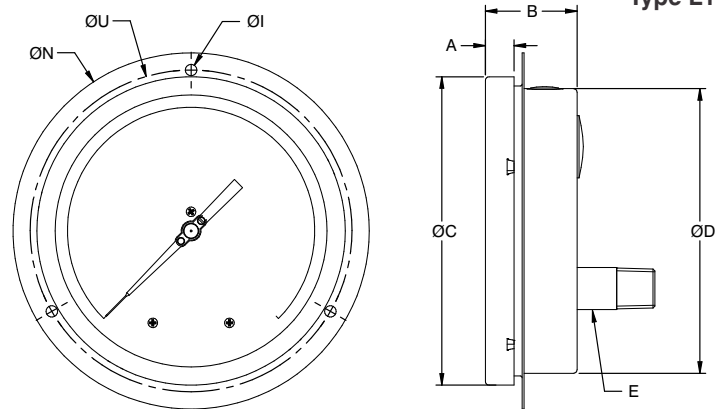
DN	A	B	ØC	ØD	E	ØI	M	ØN	S1	ØU	Weight (grams)
150	15	46	161	149	SQ.22	6	172.4	186	6	168	1065
250	18.5	48	263	250	SQ.22	7	286.5	290	1.5	276	2375

### Type L0



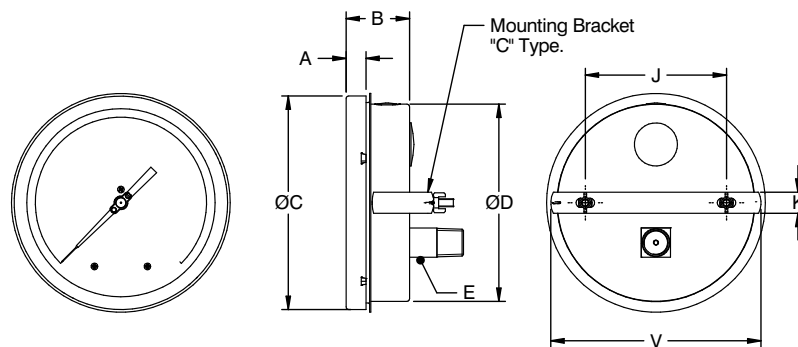
DN	A	B	ØC	ØD	E	Weight (grams)
150	15	48	161	149	SQ.22	950
250	18.5	50	263	250	SQ.22	2150

### Type L1



DN	A	B	ØC	ØD	E	ØI	ØN	ØU	Weight (grams)
150	15	48	161	149	SQ.22	6	186	168	1066
250	18.5	50	263	250	SQ.22	7	290	276	2350

### Type L2



DN	A	B	ØC	ØD	E	J	K	V	Weight (grams)
150	15	48	161	149	SQ.22	106.5	16	158.5	1150
250	18.5	50	263	250	SQ.22	180	30	270	2450

All dimensions are in mm.

## ORDERING CODES

### 1. DIAL SIZE

<b>06</b>	150 mm / 6"
<b>10</b>	250 mm / 10"

06

### 2. RANGE

<b>XXX</b>	Refer "Range Table"
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XXX

### 3. MOUNTING PATTERN

<b>B0</b>	Direct, Bottom connection
<b>B1</b>	Wall/Surface/Projection mounting, Bottom connection
<b>L0</b>	Lower, Back connection
<b>L1</b>	Panel/Front flange mounting, Lower Back connection
<b>L2</b>	Panel/bracket mounting, Lower Back connection

B0

### 4. PROCESS CONNECTION

<b>14N</b>	1/2" NPT (M)
<b>14B</b>	1/2" BSP (M)
<b>14M</b>	M20 X 1.5 mm (M)

14N

### 5. INGRESS PROTECTION

<b>ER</b>	IP 65
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ER

### 6. EXECUTION

<b>EA</b>	Dry
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EA

### 7. OTHER OPTIONS

<b>XR</b>	Custom designed dial
<b>XT</b>	Dial tag marking
<b>XF</b>	SS tag plate, AISI 304 SS

XX

### 8. ACCESSORIES

<b>A202</b>	Gauge saver
<b>A201</b>	Gauge snubber

**Ordering Example : P801-06-XXX-B0-14N-ER-EB**

#### NOTES

1. For other connections, please contact factory.