

## FEATURES

- CE complied microswitch
- SS case & measuring system
- High repeatability
- Externally adjustable set points

## APPLICATION

- Oil & Gas applications
- High pressure applications
- Corrosive & Hazardous environments

### Indicating Switch



### STANDARD PARAMETERS

Accuracy	:	CL 1.0
Ambient temperature	:	-40...+65°C (without dampening liquid)
Service temperature	:	300°C max.
Pressure limits	:	Steady pressure up to FS value
	:	Fluctuating pressure up to 90% of FS value
	:	Short time 1.3 x FS value for range up to 100 bar
	:	Short time 1.15 x FS value for range above 100 bar
Weld joints	:	TIG argon arc welding

### MATERIAL OF CONSTRUCTION

Sensing element	:	Bourdon Tube (<100 bar : C - type, >100 bar : Helical)
Case & Ring material	:	AISI 304 SS (Bayonet type)
Bourdon tube & Shank	:	AISI 316L SS (Shank welded directly to case)
Switch type	:	Snap action type microswitch
Movement mechanism	:	Cu-Alloy
Dial	:	Aluminum, black graduation on white background
Pointer	:	Micro-zero adjustable, aluminum, black powder coated
Gaskets & filling plug	:	Neoprene
Window	:	Shatterproof safety glass

### STANDARD SPECIFICATIONS

Dial size	:	DN100 / DN150
Range	:	-1...0...600 bar
Mounting pattern	:	Direct, Bottom connection
Process connection	:	½" NPT (M)
Ingress protection	:	IP 65
Execution	:	Dry
Switch type	:	1 SPDT
Supply rating	:	250VAC/15A, 220VDC/0.2A
Electrical termination	:	4 pin PG 13.5 connector

### TEMPERATURE EFFECT

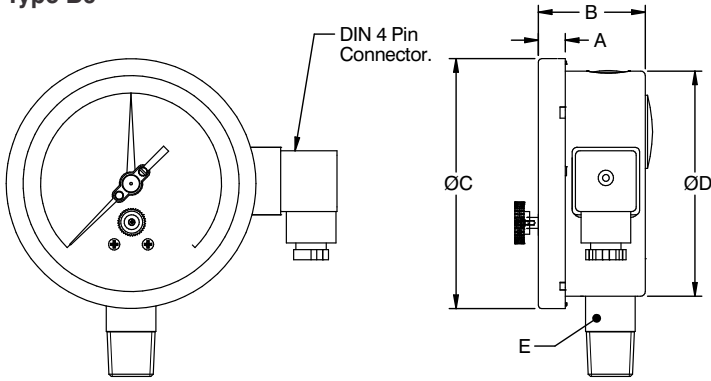
When temperature of the measuring system deviates from reference temperature (+20°C) max error  $\pm 0.4\%$  / 10K of true scale value.

## REFERENCE

EN 837-1

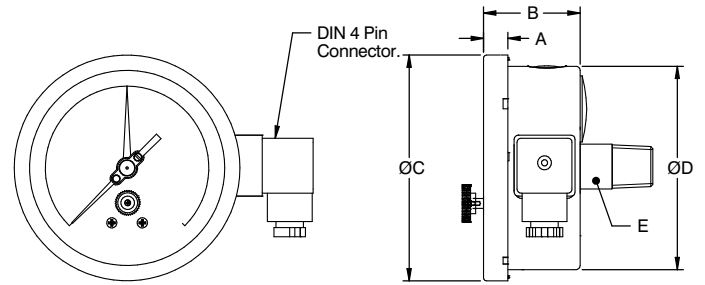
DIMENSIONAL DRAWING

Type B0



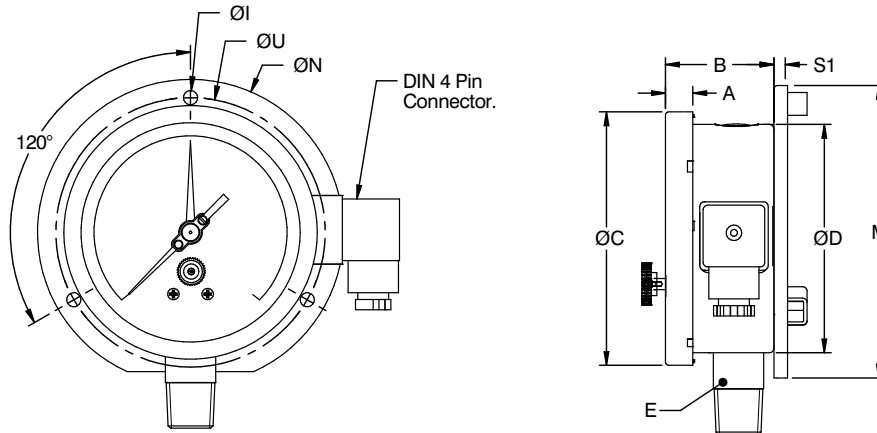
DN	A	B	ØC	ØD	E	Weight (grams)
100	12	61	111	100	SQ.22	639
150	15	61	161	149	SQ.22	1033

Type R0



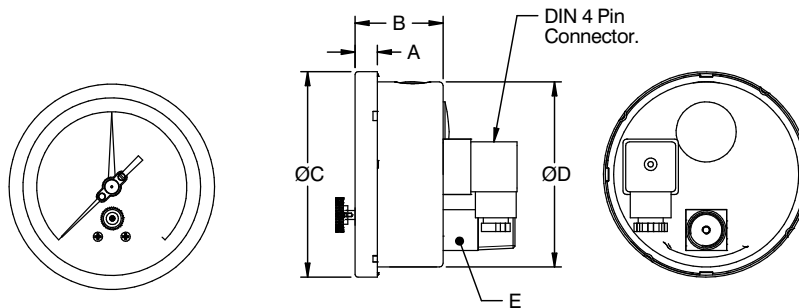
DN	A	B	ØC	ØD	E	Weight (grams)
100	12	61	111	100	SQ.22	639
150	15	61	161	149	SQ.22	1033

Type B1



DN	A	B	ØC	ØD	E	ØI	M	ØN	S1	ØU	Weight (grams)
100	12	61	111	100	SQ.22	6	128	134	6	118	746
150	15	61	161	149	SQ.22	6	172.4	186	6	168	1213

Type L0



DN	A	B	ØC	ØD	E	Weight (grams)
100	12	61	111	100	SQ.22	639
150	15	61	161	149	SQ.22	1033

All dimensions are in mm.

## ORDERING CODES

### 1. DIAL SIZE

<b>04</b>	100 mm / 4"
<b>06</b>	150 mm / 6"

04

### 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
<b>R0</b>	Centre, Back connection
<b>L0</b>	Lower, Back connection

B0

### 4. PROCESS CONNECTION

<b>14B</b>	1/2" BSP (M)
<b>14N</b>	1/2" NPT (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>BA</b>	Case & Ring in AISI 316 SS (B0)
<b>EN</b>	Dampening screw, AISI 316 SS
<b>XF</b>	SS tag plate, AISI 304 SS
<b>XG</b>	SS tag plate, AISI 316 SS
<b>XR</b>	Custom designed dial
<b>XT</b>	Dial tag marking
<b>TA</b>	5 - point calibration certificate
<b>TC</b>	Material test certificate 3.1
<b>TM</b>	Material test certificate 2.2
<b>TN</b>	Tested to NACE standards
<b>TO</b>	Certification for Oxygen service
<b>G6</b>	6 pin, M20x1.5mm connector

XX

Ordering Example : P504-04-XXX-B0-14N-ER-EA

## NOTES

1. For other connections, please contact factory.