

## FEATURES

- Bimetal helix system
- Hermetically sealed
- Elbow mounting
- External zero adjustment

## APPLICATION

- Liquid & gaseous mediums
- Corrosive environments
- Oil & Gas applications
- Chemical & Petrochemical
- Food & Beverages
- Nuclear power plants

### Elbow mounting



#### STANDARD PARAMETERS

Accuracy	:	CL 1.0 (Class 1)
Ambient temperature	:	-20...+60°C
Over range limits	:	110% full scale
Stem pressure rating	:	25 bar (Without thermowell)
Weld joints	:	TIG argon arc welding

#### MATERIAL OF CONSTRUCTION

Sensing element	:	Coiled bimetal strip
Case & Ring material	:	AISI 304 SS
Stem & Process connection material	:	AISI 316 SS
Dial	:	Aluminum, black graduation on white background
Pointer	:	Slotted zero adjustable, aluminum, black powder coated
Gaskets	:	Neoprene
Window	:	Sheet glass

#### STANDARD SPECIFICATIONS

Dial size	:	DN100
Range	:	0...100°C
Mounting pattern	:	Elbow mounting, Bottom connection
Stem size	:	6.0 mm
Ingress protection	:	IP 65
Zero adjustment	:	External
Stem length	:	150 mm
Process connection type	:	Adjustable connection
Process connection	:	1/2" NPT (M)

#### STANDARD SPECIFICATIONS : DAMPENING LIQUID FILLED, GLYCERIN

Gaskets & Filling plugs	:	Neoprene
Dampening liquids	:	Glycerin 99.7% (-20°C to 65°C) [Up to range 100°C]
Window	:	Shatterproof safety glass

#### STANDARD SPECIFICATIONS : DAMPENING LIQUID FILLED, SILICON

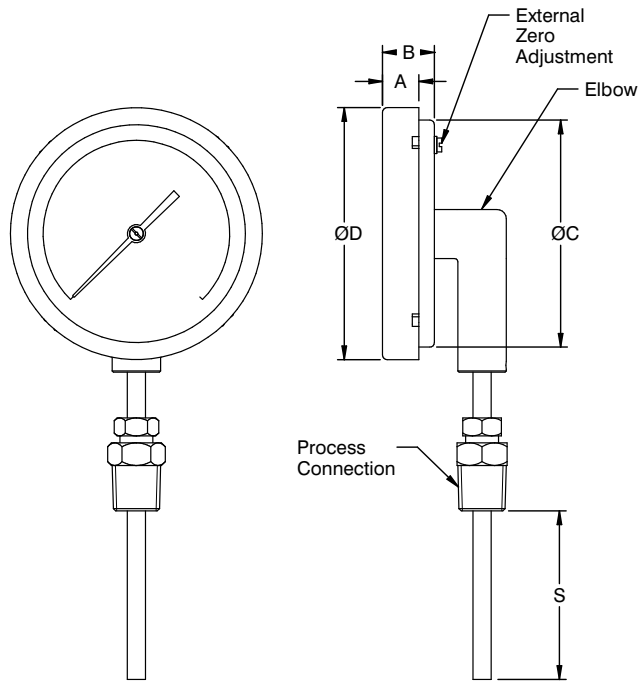
Gaskets & Filling plugs	:	NBR
Dampening liquids	:	Silicon oil [Up to range 200°C]
Window	:	Shatterproof safety glass

## REFERENCE

EN 13190

## DIMENSIONAL DRAWING

Mounting Pattern: B5



NS	A	B	ØC	ØD	S
100	12	23	100	111	*
125	15	23	118.5	129	*
150	15	23	149	161	*

All dimensions are in mm.

\* As per customer requirement.

## RANGE TABLE

RANGE	" °C "	RANGE	" °C "	RANGE	" °C "
-20...+40	C01	0...50	C13	0...200	C20
-20...+60	C02	0...60	C14	0...250	C21
-30...+70	C08	0...80	C15	0...300	C22
-30...+120	C05	0...100	C16	0...400	C23
		0...120	C17	0...500	C24
		0...150	C18	0...600	C25

### NOTES

- For other ranges, please contact factory.
- Equivalent scales available in °F, °C/°F, °F/°C. Please contact factory for details.

### ORDERING CODES

#### 1. DIAL SIZE

<b>04</b>	100 mm / 4"
<b>05</b>	125 mm / 4½"
<b>06</b>	150 mm / 6"

**04**

#### 2. RANGE

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

**C16**

#### 3. MOUNTING PATTERN

<b>B5</b>	Elbow mounting (Bottom connection)
-----------	------------------------------------

**B5**

#### 4. STEM DIAMETER

<b>M60</b>	6.0 mm
<b>I14</b>	¼" (6.35 mm)
<b>M80</b>	8.0 mm
<b>M95</b>	9.5 mm
<b>M10</b>	10 mm
<b>M12</b>	12 mm

**M60**

#### 5. INGRESS PROTECTION

<b>ER</b>	IP 65
<b>ES</b>	IP 66
<b>ET</b>	IP 67
<b>EU</b>	Hermetically sealed

**ER**

#### 6. STEM LENGTH

<b>XXXX</b>	Up to 1,500 mm
-------------	----------------

**150**

#### 7. PROCESS CONNECTION TYPE

<b>KX</b>	Fixed connection
<b>KW</b>	Adjustable connection
<b>BW</b>	Swivel / Revolving connection

**KW**

#### 8. PROCESS CONNECTION

<b>14N</b>	½" NPT (M)
<b>14B</b>	½" BSP (M)
<b>12N</b>	¼" NPT (M) <sup>2</sup>
<b>12B</b>	¼" BSP (M) <sup>2</sup>
<b>14M</b>	M20 X 1.5 mm (M)
<b>13B</b>	3/8" BSP (M) <sup>3</sup>
<b>T15</b>	1.5" Triclover
<b>15N</b>	¾" NPT (M)
<b>15B</b>	¾" BSP (M)

**14N**

#### 9. OTHER OPTIONS

<b>BF</b>	Case & Ring in AISI 316 SS (B5)
<b>GC</b>	Shatterproof safety glass
<b>TA</b>	5 - point factory calibration certificate
<b>TM</b>	Material test certificate 2.2
<b>XF</b>	SS tag plate, AISI 304 SS
<b>XG</b>	SS tag plate, AISI 316 SS
<b>XT</b>	Dial tag marking
<b>XR</b>	Custom designed dial

**XX**

**Ordering Example : T503-04-C16-B5-M60-ER-150-KW-14N**

#### NOTES

1. For other connections, please contact factory.
2. 1/4" connections are available up to 1/4" (6.35 mm) stem diameter only.
3. 3/8" connections are available up to 10 mm stem diameter only.