233B / 234B / 235B / 236B / 237B
PROCESS PRESSURE GAUGES
FULL STAINLESS STEEL TYPE

MAIN FEATURES

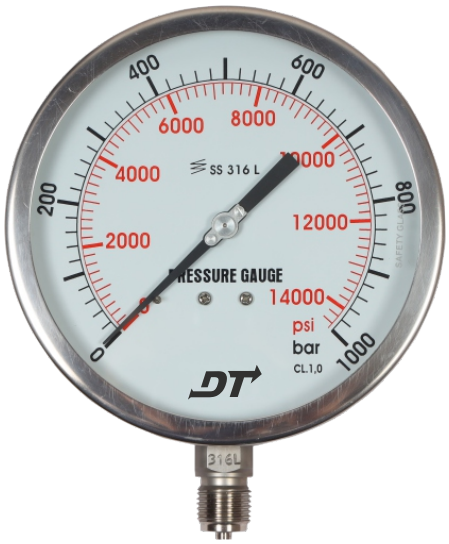
All SS measuring system
Socket-case, direct welded
Dry / liquid filled

SUGGESTED APPLICATIONS

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

TEMPERATURE EFFECT

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



FULL STAINLESS STEEL
PROCESS PRESSURE GAUGES

BASIC DESCRIPTION

Sensing element : Bourdon Tube
(<100 bar : C - type , >100 bar : Helical)
Accuracy: ±1.0% F.S.D.
Ambient temperature: -40...+65°C
Service temperature: 300°C max.
Steady pressure: Up to FS value
Fluctuating pressure: Up to 90% of FS value
Over-pressure: 1.3 x FS value ≤ 100 bar
: 1.15 x FS value ≥ 100 bar
Weld joints: TIG argon arc welding

PRODUCT SPECIFICATION

STANDARD VERSION [CODE : 233B]

Dial size : DN100 / DN115 / DN150 / DN250
Range : -1...0...1,600 bar
Mounting pattern : Direct, Bottom connection
Process connection :½" NPT (M) /½" BSP (M)
Ingress protection : IP 67
Execution : Dry but fill-able
Case & Ring material : AISI 304 SS (Bayonet type)
Bourdon tube & Shank : AISI 316L SS (Shank welded directly to case)
Movement mechanism : AISI 304 SS
Dial : Aluminum, black graduation on white background
Pointer : Micro-zero adjustable, aluminum, black powder coated
Gaskets, Blow off disc & filling plug : Neoprene
Window : Shatterproof safety glass

LIQUID FILLED VERSION (GLYCERIN) [CODE : G]

Ambient temperature: -20...+65°C
Dampening liquid : Glycerin 99.7%

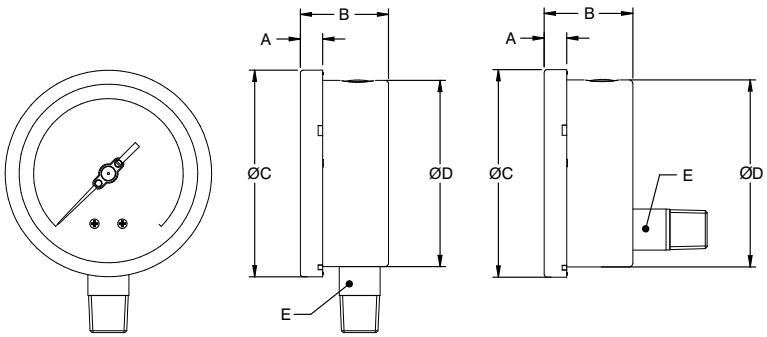
LIQUID FILLED VERSION (SILICON OIL) [CODE : S]

Ambient temperature: -40...+65°C
Dampening liquid : Silicon oil

233B / 234B / 235B / 236B / 237B : PROCESS PRESSURE GAUGES

DIMENSIONAL DRAWINGS

100mm / 115mm / 150mm / 250 mm

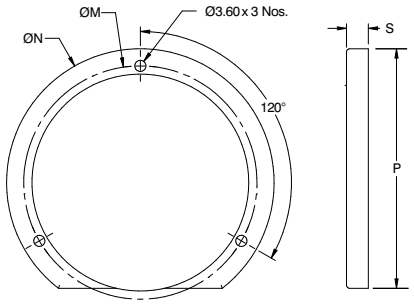


BD - Direct Bottom **BC - Center back**

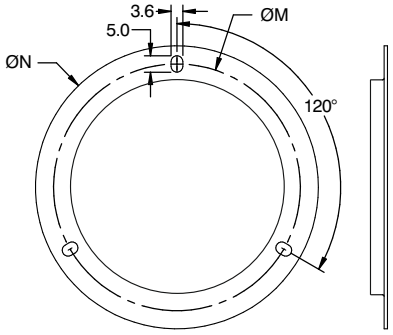
NS	A	B	ØC	ØD	E
100	12	48	111	100	□ 22
115	15	48	129	119	□ 22
150	15	48	161	149	□ 22
250	18.5	50	263	250	□ 22

All dimensions are in mm.

MOUNTING ACCESSORIES



BF - BACK FLANGE



NS	P	S	ØN	ØM
100	128	7	134	118
150	172	7	186	168

All dimensions are in mm.

FF - FRONT FLANGE

MODEL CODING

MODEL	-	DIAL SIZE	MOUNTING	CONNECTION	CASE EXECUTION	/	RANGE	/
232B = Open front, Case SS 304, Bourdon SS 316 242B = Open front, Case SS 316, Bourdon SS 316 233B = Open front, Case SS 304, Bourdon SS 316L 243B = Open front, Case SS 316, Bourdon SS 316L 234B = Open front, Case SS 304, Monel 400 244B = Open front, Case SS 316, Monel 400 235B = Open front, Case SS 304, Hastelloy C 245B = Open front, Case SS 316, Hastelloy C 236B = Open front, Case SS 304, Inconel 246B = Open front, Case SS 316, Inconel 237B = Open front, Case SS 304, Stainless steel*		04 = 100 mm 45 = 115 mm 06 = 150 mm 10 = 250 mm	B = Direct Bottom L = Lower Back	M2N = ¼" NPT (M) M2B = ¼" BSP (M) M4N = ½" NPT (M) MBN = ½" BSP (M) M2M = M12 X 1.0P M4M = M20 X 1.5P M3B = ⅜" BSP (M)	D = Dry but fill-able G = Glycerin filled S = Silicon oil filled		0...10 to 0...15000 psi or 0...0,6 to 0...1000 bar or equivalent units	

OTHER OPTIONS		
BF = Back flange for bottom mounting	XA = Tag plate in SS 304	TA = 5 - point factory calibration certificate
FF = Front flange for lower back/center back mounting	XB = Tag plates in SS 316	TC = Material test certificate, 3.1
UC = "U" Clamp mounting for lower back mounting	XD = Custom Dial Design / Private labeling	TO = Certificate of De-greasing
2P = 2" Pipe mounting bracket for bottom mounting	XG = SS 316 movement mechanism	TN = Tested to NACE standards
RG = Receiver Gauge	XP = Maximum Reading Pointer	OR = Over range protection 1.5 of FSD
VS = Vacuum stop		OS = Overload stop

ORDERING EXAMPLE 233B-04.B.M4N.D/0-10kg/cm²/psi/TA.XA.

QUICK ORDER DETAILS / FEEDBACKS .

© 2022 DEIKTISTECH All rights reserved. Technical specification are expected to change without notice. Contact factory for any clarification.

Rev 00

DEIKTIS TECHNOLOGIES PVT LTD
275/1/14 | No. 4 | Plot # 113 | Daman Ganga Industrial Park
Karwad | Vapi | Valsad - 396195 | Gujarat | INDIA
www.deiktistech.com