Bourdon Tube Pressure Gauges
Stainless Steel Series
Type 131.11

Applications

- Suitable for corrosive environments and gaseous or liquid media that will not obstruct the pressure system
- Ideal when a smaller size instrument is needed
- CDA (Clean Dry Air) applications

Product features

- All stainless steel construction
- 316L wetted parts
- Cost effective and reliable
- Positive pressure ranges to 15,000 psi (1000 bar)



Bourdon Tube Pressure Gauge Model 131.11, 1½" (40 mm)

Specifications

Design
ASME B40.100 & EN 837-1

Sizes
1.5", 2" & 2½" (40, 50 and 63 mm)

Accuracy class
3/2/3% of span per ASME B40.100 Grade B

Ranges
Vacuum / Compound to 200 psi
Pressure from 15 psi to 10,000 psi or equivalent units of pressure and vacuum

Working pressure

Steady:	3/4 of full scale value
Fluctuating:	2/3 of full scale value
Short time:	full scale value

Operating temperature

Ambient:	-40°F to +140°F (-40°C to +60°C)
Medium:	+212°F (+100°C) maximum

Temperature error
Additional error when temperature changes from reference temperature of 68°F (20°C) ±0.4% of span for every 18°F (10°C) rising or falling.

Pressure connection
Material: 316L stainless steel
Lower mount (LM) or center back mount (CBM)
1/8" or 1/4" NPT (male)

Bourdon tube
Material: 316L stainless steel
≤ 1000 psi (70 bar): C-shape
> 1000 psi (70 bar): Helical type

Movement
Stainless steel

Dial
White aluminum with black lettering, with stop pin

Pointer
Black aluminum

Case
Stainless steel

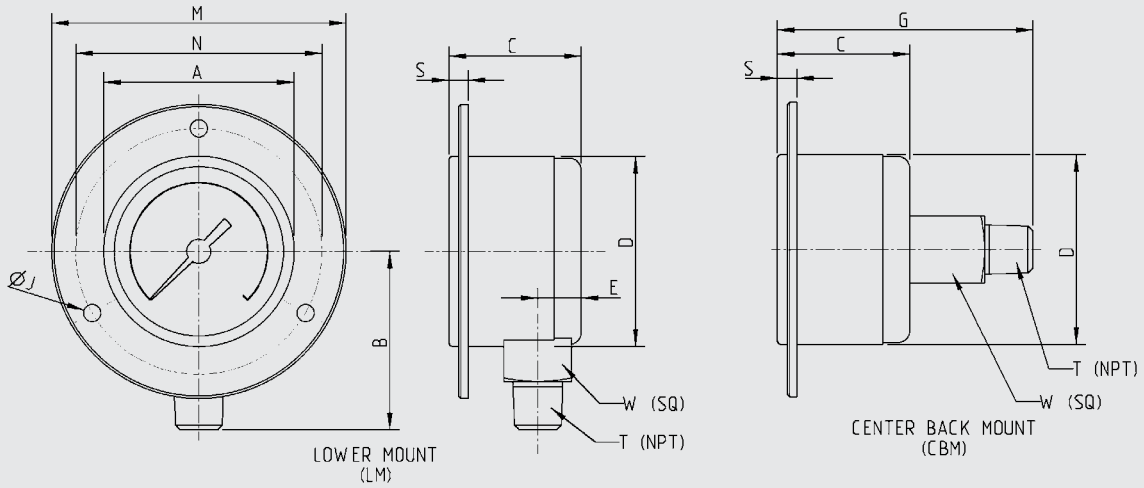
Window
Snap-in polycarbonate

WIKA®
Part of your business

Optional extras

- Friction fit cover ring with instrument glass window
- Special threaded connection
- Front Flange
- U-clamp for panel mounting
- Rear flange (for 2½" size only)

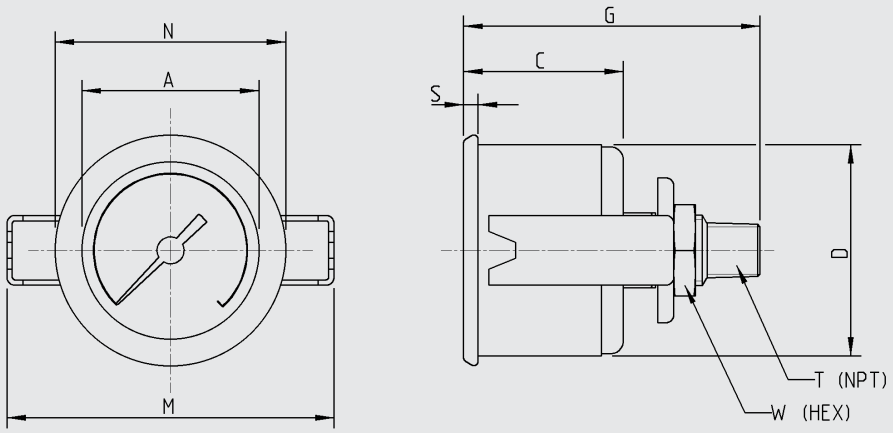
Front Flange



SIZE		A*	B	C	D	E	G	J	M	N	S	T	W
1.5"	MM	40	37	27.5	40	9	53	3.6	61	51	4	1/8"	14
	IN	1.50	1.46	1.08	1.57	.35	2.09	0.14	2.4	2	.16		0.55
2"	MM	50	47	28.5	50	9.6	55	3.6	71	60	4	1/4"	14
	IN	2.00	1.85	1.12	1.97	.38	2.17	.14	2.8	2.36	.16		0.55
2.5"	MM	63	54	29	63	10	55	3.6	85	75	4	1/4"	14
	IN	2.50	2.13	1.14	2.48	.39	2.17	.14	3.35	2.95	.16		0.55

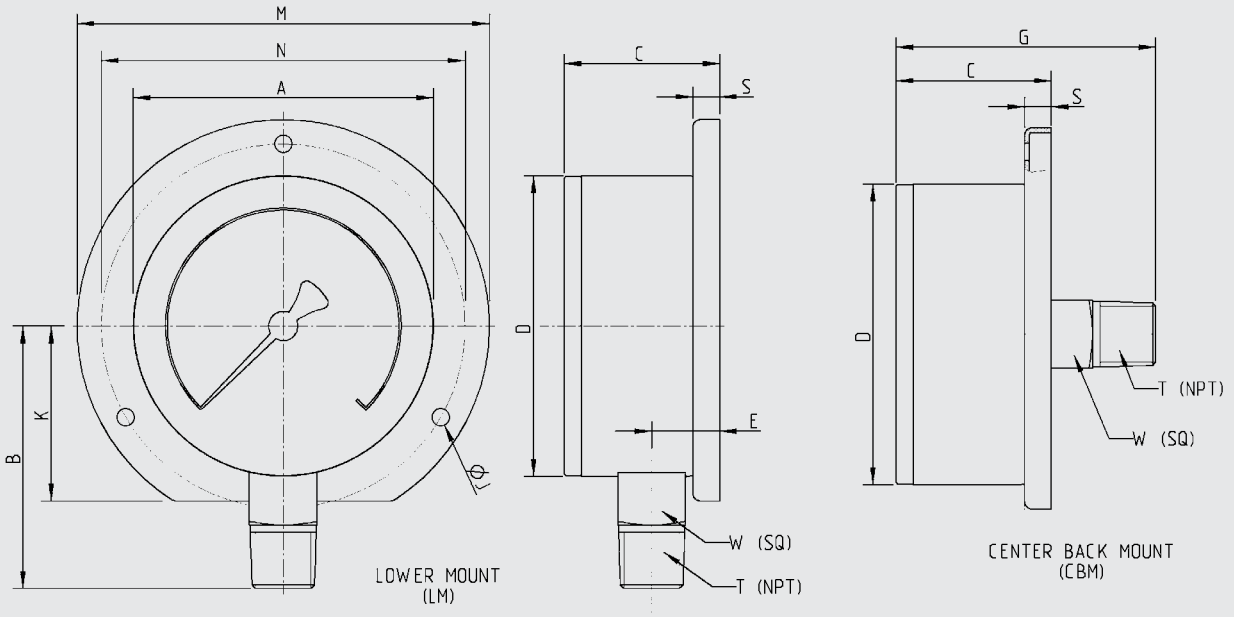
*NOMINAL

U-Clamp



SIZE		A*	C	D	G	M	N	S	T	W
1.5"	MM	40	30	40	53	61	43	2.7	1/8"	17
	IN	1.50	1.18	1.57	2.09	2.4	1.69	.11		.67
2"	MM	50	31	50	55	61	54	3.5	1/4"	17
	IN	2.00	1.22	1.97	2.17	2.4	2.13	.14		.67
2.5"	MM	63	31.5	63	55	75	68	3.9	1/4"	17
	IN	2.50	1.24	2.48	2.17	2.95	2.68	.15		.67

*NOMINAL



SIZE		A*	B	C	D	E	G	J	K	M	N	S	T	W
2.5"	MM	63	54	32	62	14	53.5	3.6	36	85	75	5.5	1/4"	14
	IN	2.50	2.13	1.26	2.44	.55	2.11	.14	1.42	3.35	2.95	.22		.55

*NOMINAL

Rear Flange

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