

Title: Product specifications for model 1831
Product Specifications (gauge)

sensor type	diaphragm
functions	gauge, gauge/switch
min. range	0-5 in. H ₂ O
max. range	0-8 psid (= 221.44 in. H ₂ O)
max. line pressure	150 psig
min. burst pressure	450 psig; tested hydraulically (not tested pneumatically)
standard maximum temperature	gauge: 200°F standard, 150°F (plastic lens) gauge/switch: 176°F standard, 150°F (plastic lens)
high temp. construction	gauge: 350°F gauge/switch, switch: N/A
minimum temperature*	<i>*Consult Factory for low-temperature applications.</i>
calibration accuracy**	±2% of full scale ascending after rap at room temperature <i>**Calibration accuracy is affected by temperature, and also by liquid-filling and follower-pointer options.</i>
repeatability	±1% of full scale
switch & enclosure	1 or 2 external
switch adjustability	upper 80% of full scale ascending (70% for B & C form switches in SST)
switch differential***	<i>***Consult Factory</i>
certification	CSA (File 043810) CE

Standard configuration options (gauge,switch)

configuration	unless otherwise specified	standard options available
porting size	1/4" NPT	1/2" NPT
porting orientation	in-line	N/A
direction of pressure	left to right (dial reads left to right)	reverse porting (dial reads right to left)
calibration medium	air	N/A
switches	(must be specified)	-A SPST N/O (120VAC,0.7A,70VA;200VDC,1.0A,50W) -B SPST N/C (120VAC,0.25A,5VA;175VDC,0.25A,5W) -C SPDT (120VAC,0.25A,5VA;175VDC,0.25A,5W)
switch setting	set at top of range ascending	other set points within adjustability ascending or descending
primary wetted parts	316 SS	N/A
secondary wetted parts	range springs: 302SS magnets: ceramic	teflon-coated springs and magnets
static seals	buna-N,except Viton for high temp	Viton, Teflon, EPDM, fluorosilicone, silicone
diaphragm	buna-N,except Viton for high temp	Viton, EPDM, fluorosilicone, silicone
lens	glass	plastic
dial sizes	(must be specified)	2.5", 3.5", 4.5", 6"
dial case styles	(must be specified)	"B" Basic Case (c-clamp not available) "F" Flanged Case (w/holes for panel mounting)
starting mark on dial	approximately 10% of full scale	N/A