

Title: Product specifications for model 1831
Product Specifications

sensor type	diaphragm
functions	gauge, gauge/switch, switch
min. range	0-5 in. H ₂ O
max. range	0-8 psid (= 221.44 in. H ₂ O)
max. line pressure	100 psig for aluminum units, 150 psig for stainless steel units
min. burst pressure	300 psig (alum), 450 psig (ss); 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) switch: 176°F
high temp. construction	gauge: 350°F (stainless steel only, not available in aluminum) 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

configuration	unless otherwise specified	standard options available
porting size	1/4" NPT	1/8" 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	(must be specified)	aluminum, 316 ss
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