



## Product specifications for model 1516

### Product Specifications

<b>sensor type</b>	diaphragm
<b>functions</b>	gauge, gauge/switch, switch
<b>min. range</b>	0-1 psid
<b>max. range</b>	0-50 psid
<b>max. line pressure</b>	1500 psig
<b>min. burst pressure</b>	6000 psig, tested hydrostatically
<b>standard maximum temperature</b>	gauge: 200°F standard, 150°F (plastic lens) gauge/switch: 176°F reed switch, 140°F relay, 150°F (plastic lens) switch: 176°F reed switch, 140°F relay
<b>high temperature construction</b>	gauge: 450°F (SS), 400°F (naval brass), 300°F (alum) gauge/switch, switch: N/A
<b>minimum temperature</b>	-40°F
<b>calibration accuracy**</b>	±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>
<b>repeatability</b>	±1% of full scale
<b>switch &amp; enclosure</b>	1 or 2 internal, NEMA 4X
<b>switch adjustability</b>	upper 80% of full range ascending, or lower 80% of full range descending
<b>switch differential</b>	5-20% full scale
<b>certification</b>	CSA (File 043810), CE

### Standard configuration options

configuration	unless otherwise specified	standard options available
<b>porting size</b>	1/4" NPT	1/8" NPT, 1/2" NPT, AND, MS ports
<b>porting orientation</b>	(must be specified)	in-line, back, or bottom
<b>direction of pressure</b>	left to right	right to left (upside-down orientation with arc on bottom)
<b>calibration medium</b>	air	N/A
<b>switches &amp; relays</b>	(must be specified)	-A (0.7A/50W SPST) -B (0.25A/3W SPST) -C (0.25A/3W SPDT) -R2 (relay, 10A @ 120 VAC)
<b>switch/relay setting</b>	set at top of range ascending set N/O to close (SPST reed) set to actuate (SPDT reed, relay)	other set points within adjustability ascending or descending
<b>primary wetted parts material</b>	(must be specified)	aluminum, 316SS, naval brass
<b>secondary wetted parts material</b>	range spring: 302SS magnet: ceramic	Teflon-coated spring and magnet
<b>static seals material</b>	buna-N, except Viton for high temp.	Viton, Teflon, neoprene, EPDM, fluorosilicone
<b>diaphragm material</b>	buna-N, except Viton for high temp.	Viton, neoprene, EPDM, fluorosilicone, silicone
<b>lens</b>	glass	plastic
<b>dial sizes</b>	(must be specified)	2.5", 3.5", 4.5", 6"
<b>dial case styles</b>	(must be specified) <sup>+</sup> C-clamp not available with some porting options	bezel case (2.5", 3.5", 4.5") drilled flange (all sizes) machined case, C-clamp <sup>+</sup> (3.5", 4.5", 6")
<b>starting mark on dial</b>	approximately 10% of full scale	N/A