

## Product specifications for model 1504

### Product Specifications (switch)

<b>sensor type</b>	diaphragm
<b>functions</b>	<b>gauge/switch, switch</b>
<b>min. range</b>	0-8 psid
<b>max. range</b>	0-300 psid
<b>max. line pressure</b>	3000 psig
<b>min. burst pressure</b>	10000 psig
<b>standard maximum temperature</b>	gauge/switch: 176°F standard, 150°F (plastic lens) switch: 176°F 140°F (relay)
<b>high temp. construction</b>	300°F
<b>minimum temperature*</b>	<i>*Consult factory for low-temperature applications.</i>
<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 for most ranges; ±2% of full scale for ranges 10 psid or below
<b>switches/relays</b>	1 or 2 hermetically sealed reed switches or 1 or 2 relays in explosion-proof enclosure
<b>switch adjustability</b>	upper 80% of full scale ascending (70% for B & C form switches in SST)
<b>switch dead band</b>	5-20% full scale
<b>certification</b>	CSA (File 080299), NEMA 3, 4X, IP66, 7BCD, 9EFG, 12 Class I (Groups B, C & D) Class II (Groups E, F, G) Class III

### Standard configuration option (switch)

configuration	unless otherwise specified	standard options available
<b>porting size</b>	1/4" NPT	1/2" NPT
<b>porting orientation</b>	side	N/A
<b>direction of pressure</b>	bottom to top (dial reads left to right)	upside-down orientation (dial reads right to left, with arc on bottom)
<b>calibration medium</b>	air	N/A
<b>switches</b>	(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) -R1 DPDT relay (1 or 2 relays) contacts: 120VAC, 28VDC, 10A coil: 120VAC, (24VDC available upon request)
<b>switch setting</b>	set at top of range ascending	other set points within adjustability ascending or descending
<b>primary wetted parts</b>	316SS	N/A
<b>secondary wetted parts</b>	range spring: 302SS magnet: ceramic	Teflon-coated spring and magnet
<b>static seals</b>	buna-N	Viton, Teflon, neoprene, EPDM, fluorosilicone
<b>diaphragm</b>	(must be specified)	Buna-N, Viton, EPDM, fluorosilicone
<b>lens</b>	glass	plastic
<b>dial sizes</b>	(must be specified)	3.5", 4.5", 6"
<b>dial case styles</b>	(must be specified)	"B" Basic Case (c-clamp not available) "F" Flanged Case (w/holes for panel mounting)
<b>starting mark on dial</b>	approximately 10% of full scale	N/A

## Product specifications for model 1504

### Product Specifications (transmitter)

<b>sensor type</b>	diaphragm
<b>functions</b>	<b>gauge/transmitter, transmitter (Loop powered)</b>
<b>min. range</b>	0-8 psid
<b>max. range</b>	0-300 psid
<b>max. line pressure</b>	3000 psig
<b>min. burst pressure</b>	10000 psig
<b>standard max. temperature</b>	gauge/transmitter: 200°F (glass lens), 150°F (plastic lens) transmitter: 200°F
<b>high temp. construction</b>	N/A
<b>minimum temperature</b>	-20°F
<b>calibration accuracy*</b>	±2% of full scale ascending after rap at room temperature <i>*Calibration accuracy is compensated for temperature effects between -20°F - 200°F.</i>
<b>repeatability</b>	±1% of full scale for most ranges; ±2% of full scale for ranges 10 psid or below
<b>transducer enclosure</b>	explosion-proof
<b>certification/rating</b>	CSA (File 080299), NEMA 3, 4X, IP66, 7BCD, 9EFG, 12 Class I (Groups B, C & D) Class II (Groups E, F, G) Class III

### Standard configuration options (transmitter)

configuration	unless otherwise specified	standard options available
<b>porting size</b>	1/4" NPT	1/2" NPT
<b>porting orientation</b>	side	N/A
<b>direction of pressure</b>	bottom to top (dial reads left to right)	upside-down orientation (dial reads right to left, with arc on bottom)
<b>calibration medium</b>	air	N/A
<b>electronic outputs</b>	analog outputs: 4-20 mA (2 wire) 0-5 VDC (3 or 4 wire)	
<b>supply voltage</b>	9-35 VDC (reverse polarity protected)	
<b>loop resistance</b>	1300 ohms max. $R = ((V_s - 9) * 1000) / 20$ (ohms at $V_s$ )	
<b>board connection</b>	1. + (EXC) 2. - 3. 0-5 V 4. GND	20-26 AWG wire
<b>primary wetted parts</b>	316SS	N/A
<b>secondary wetted parts</b>	range spring: 302SS magnet: ceramic	Teflon-coated spring and magnet
<b>static seals</b>	buna-N	Viton, Teflon, neoprene, EPDM, fluorosilicone
<b>diaphragm</b>	below 10 psid: fluorosilicone 10 psid and above: buna-N	Viton, neoprene, EPDM, fluorosilicone, silicone (buna-N and Viton N/A for ranges below 10 psid)
<b>lens</b>	glass	plastic
<b>dial sizes</b>	(must be specified)	3.5", 4.5", 6"
<b>dial case styles</b>	(must be specified)	"B" Basic Case (c-clamp not available) "F" Flanged Case (w/holes for panel mounting)
<b>starting mark on dial</b>	approximately 10% of full scale	N/A