

## Product specifications for model 1303

### Product Specifications (switch, relay)

<b>sensor type</b>	piston
<b>functions</b>	<b>gauge/switch</b>
<b>min. range</b>	0-100 psid
<b>max. range</b>	0-1000 psid
<b>max. line pressure</b>	5000 psig
<b>min. burst pressure</b>	15000 psig
<b>standard maximum temperature</b>	gauge: 200°F standard, 150°F (plastic lens) gauge/switch: 176°F standard, 150°F (plastic lens)
<b>high temp. construction</b>	N/A
<b>minimum temperature*</b>	<i>*Consult factory for low-temperature application</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>	±2% of full scale
<b>switches/relay</b>	1 or 2 hermetically sealed reed switches or 1 relay in weatherproof 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 Class I, DIV. 2, Groups A, B, C & D; Class II, DIV. 2, Groups F & G (File 152872) NEMA 4X, IP65 <i>*Consult Factory for CE equivalent.</i>

### Standard configuration options (switch, relay)

configuration	unless otherwise specified	standard options available
<b>porting size</b>	1/4" NPT	1/2" NPT and MS ports
<b>porting orientation</b>	in-line	N/A
<b>direction of pressure</b>	left to right	right to left (upside-down orientation with arc on bottom)
<b>calibration medium</b>	alum or SS: hydraulic oil brass: water	N/A
<b>switches &amp; relays</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) -R2 DPDT relay (1 relay) contacts: 120VAC, 28VDC, 10A coil: 120VAC, (24VDC available upon request)
<b>switch/relay setting</b>	set at top of range ascending	other set points within adjustability ascending or descending
<b>primary wetted parts</b>	(must be specified)	aluminum, 316SS, naval brass
<b>secondary wetted parts</b>	range spring: 302SS magnet: ceramic piston seal: Teflon	Teflon-coated spring and magnet
<b>static seals</b>	buna-N	Viton, Teflon, neoprene, fluorosilicone
<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)	"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 1303

### Product Specifications (transmitter)

sensor type	piston
functions	<b>gauge/transmitter, transmitter (Loop powered)</b>
min. range	0-100 psid
max. range	0-1000 psid
max. line pressure	5000 psig
min. burst pressure	15000 psig
standard maximum temperature	gauge/transmitter: 200°F (glass lens), 150°F (plastic lens) transmitter: 200°F
high temp. construction	N/A
minimum temperature	-20°F
calibration accuracy**	±2% of full scale ascending after rap at room temperature ** <i>Calibration accuracy is compensated for temperature effects between -20 °F - 200 °F</i>
repeatability	±2% of full scale
transducer enclosure	weatherproof
certification	CSA Class I, DIV. 2, Groups A, B, C & D; Class II, DIV. 2, Groups F & G (File 152872) NEMA 4X, IP65 *Consult Factory for CE equivalent.

### Standard configuration options (transmitter)

configuration	unless otherwise specified	standard options available
porting size	1/4" NPT	1/2" NPT, AND and MS ports
porting orientation	in-line	N/A
direction of pressure	left to right	right to left (upside down orientation with arc on bottom)
calibration medium	all units with EPDM seals: water all others: alum or SS: hydraulic oil brass : water	N/A
electronic outputs	analog outputs: 4-20 mA (2 wire) 0-5 VDC (3 or 4 wire)	
supply voltage	9-35 VDC (reverse polarity protected)	
loop resistance	1300 ohms max. $R = ((V_s - 9) * 1000) / 20$ (ohms at $V_s$ )	
board connection	1: + (EXC) 2: - 3: 0-5 V 4: COM	20-26 AWG wire
conduit connection	1/2" trade size	
primary wetted parts	(must be specified)	aluminum, 316SS, naval brass
secondary wetted parts	range spring: 302SS magnet: ceramic piston seal: Teflon	Teflon-coated spring and magnet
static seals	buna-N	Viton, Teflon, neoprene, fluorosilicone
lens	glass	plastic
dial sizes	(must be specified)	2.5", 3.5", 4.5", 6"
dial case styles	(must be specified)	"B" Basic Case ( <i>C-clamp not available</i> ) "F" Flanged Case ( <i>w/holes for panel mounting</i> )
starting mark on dial	approximately 10% of full scale	N/A