

Product specifications for model 1204

Product Specifications (switch)

sensor type	piston
functions	gauge/switch, switch
min. range	0-5 psid
max. range	0-150 psid
max. line pressure	5000 psig
min. burst pressure	20000 psig
standard maximum temperature	gauge/switch: 176°F standard, 150°F (plastic lens) switch: 176°F 140°F (relay)
high temp. construction	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	±2% of full scale
switches/relays	1 or 2 hermetically sealed switches or 1 or 2 relays in explosion-proof enclosure
switch adjustability	upper 80% of full scale ascending (70% for B & C form switches in SST)
switch dead band	5-20% full scale
certification/rating	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 (switch)

configuration	unless otherwise specified	standard options available
porting size	1/4" NPT	1/2" NPT
porting orientation	side	N/A
direction of pressure	bottom to top (dial reads left to right)	right to left (upside-down orientation with arc on bottom)
calibration medium	hydraulic oil	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) -R1 DPDT relay (contacts: 120VAC, 28VDC, 10A coil: 120VAC or 24VDC)
switch setting	set at top of range ascending	other set points within adjustability ascending or descending
primary wetted parts	(must be specified)	aluminum, 316SS
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)	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

Product specifications for model 1204

Product Specifications (transmitter)

sensor type	piston
functions	gauge/transmitter, transmitter (Loop powered)
min. range	0-5 psid
max. range	0-150 psid
max. line pressure	5000 psig
min. burst pressure	20000 psig
standard max. temperature	gauge/transmitter: 200°F (glass lens), 150°F (plastic lens) transmitter: 200°F
high temperature 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 32°F - 200°F.</i>
repeatability	±2% of full scale
transducer enclosure	explosion-proof
certification/rating	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
porting size	1/4" NPT	1/2" NPT
porting orientation	side	N/A
direction of pressure	bottom to top (dial reads left to right)	right to left (upside-down orientation with arc on bottom)
calibration medium	hydraulic oil	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: GND	20-26 AWG wire
primary wetted parts	(must be specified)	aluminum, 316SS
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)	3.5", 4.5", 6"
dial case styles	(must be specified)	"B" Basic Case (<i>C-clamp not available</i>) "F" Flanged Case (w/holes for panel mounting)
starting mark on dial	approximately 10% of full scale	N/A