
Product specifications for model 1533

Product Specifications (switch, relay)

sensor type	diaphragm
functions	gauge/switch, switch
min. range	0-8 psid
max. range	0-300 psid
max. line pressure	3000 psig
min. burst pressure	7000 psig, tested hydrostatically
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/relay	1 or 2 hermetically sealed reed switches or 1 relay in weatherproof 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	NEMA 4X,IP65 <i>*Consult Factory for CE equivalent.</i>

Standard configuration options (switch, relay)

configuration	unless otherwise specified	standard options available
porting size	1/4" NPT	1/2" NPT
porting orientation	in-line	N/A
direction of pressure	left to right	N/A
calibration medium	air	N/A
switches & relays	(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 (contacts:120VAC,28VDC,10A coil:120VAC or 24VDC)
switch/relay 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	Teflon-coated spring and magnet
static seals	(must be specified)	Buna-N, Viton, Teflon, EPDM, fluorosilicone
diaphragm	(must be specified)	Buna-N, Viton, EPDM, 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 (c-clamp not available) "F" Flanged Case (w/holes for panel mounting) (2.5" F-Style Ga. Case: N/A)
starting mark on dial	approximately 10% of full scale	N/A

Product specifications for model 1533

Product Specifications (transmitter)

sensor type	diaphragm
functions	gauge/transmitter, transmitter (Loop powered)
min. range	0-8 psid
max. range	0-300 psid
max. line pressure	3000 psig
min. burst pressure	7000 psig, tested hydrostatically
standard maximum temperature	gauge/transmitter: 200°F (glass lens), 150°F (plastic lens) transmitter: 200°F
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 compensated for temperature effects between -20°F - 200°F</i>
repeatability	±2% of full scale
transmitter 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 <i>*Consult factory for CE equivalent.</i>

Standard configuration options (transmitter)

configuration	unless otherwise specified	standard options available
porting size	1/4" NPT	1/2" NPT
porting orientation	in-line	N/A
direction of pressure	left to right	N/A
calibration medium	air	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
conduit connection	1/2" trade size	
primary wetted parts	(must be specified)	aluminum, 316SS
secondary wetted parts	range spring: 302SS magnet: ceramic	Teflon-coated spring and magnet
static seals	(must be specified)	Buna N, Viton, Teflon, EPDM, fluorosilicone
diaphragm	(must be specified)	Buna N, Viton, EPDM, 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 (c-clamp not available) "F" Flanged Case (w/holes for panel mounting) (2.5" F-Style Ga. Case: N/A)
starting mark on dial	approximately 10% of full scale	N/A