

Product specifications for model 1002
Product Specifications, Indicators and Switches

Sensor type	Piston
Functions	Indicator, indicator/switch, switch
Calibration medium	Air
Dial sizes	<u>PVC</u> : 1" red/green arc or 2.5" numbered marks <u>Aluminum</u> : 1" red/green arc only
Lens	Plastic
70% Mark- 1" Dial	<u>PVC</u> : 10,15,20,25,30 psid <u>Aluminum</u> : 4,5,8,10,15,20,25,30,40,50,60,70,80,100 psid
Range- 2.5" Dial	10,15,20,25,30 psid
Accuracy- 1" Dial	±5% at 70% mark ascending (70% of dial arc) *Calibration accuracy is affected by temperature
Accuracy- 2.5" Dial	±5% of full scale ascending *Calibration accuracy is affected by temperature
Max. line/min. burst pressure	<u>PVC</u> :150\500 psig <u>Aluminum</u> : 3000\9000 psig
Direction of Pressure	Left to Right
Porting size & orientation	<u>PVC</u> : 1/8 NPT Porting Bottom Ports Only <u>Aluminum</u> : 1/8 NPT Porting Indicator/Switch: back or bottom Switch: back or bottom Manifold mounting: back ports only
Conduit Port	<u>PVC</u> : None <u>Aluminum</u> : 1/4" NPT <i>available only with manifold or 1/8" NPT bottom pressure porting options</i>
Standard max. temperature	<u>PVC</u> : 120°F <u>Aluminum</u> : indicator 200°F Indicator/switch, switch 176°F
Minimum temperature	<u>PVC</u> : 32°F <u>Aluminum</u> : -20°F
Repeatability	±5%
Switch Type	External hermetically sealed reed switch
Switch Set Point	Factory set at 70% mark (full scale for 2.5" dials). Contact Factory for other set points.
Switch Dead Band	5-20%
Switch Options	-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)
Static & Piston Seals	<u>PVC</u> : Viton <u>Aluminum</u> : Buna-N (Viton optional)
Primary Wetted Parts	PVC or Aluminum
Secondary Wetted Parts	<u>PVC</u> : Teflon coated SS range spring, Teflon coated SS spacers, ceramic magnet <u>Aluminum</u> : SS range spring, SS spacers, ceramic magnet
Certification	*Consult factory for CE equivalent.

Product specifications for model 1002
Product Specifications, with transmitter

sensor type	piston
functions	indicator/transmitter, transmitter
min. range	4 psid
max. range	75 psid
max. line pressure	3000 psig
standard maximum temperature	176°F (80°C)
high temperature construction	N/A
minimum temperature	0°F (-18°C)
calibration accuracy*	±10% of full scale ascending after rap at room temperature *Calibration accuracy is compensated for temperature effects between 0°F and 176°F.
repeatability	±5% of full scale
transmitter enclosure	weatherproof
certification	None

Standard configuration options, with transmitter

configuration	unless otherwise specified	standard options available
pressure porting size & orientation	(must be specified)	1/8" NPT porting: indicator/transmitter: back or bottom transmitter: back or bottom manifold mounting: indicator/transmitter only
direction of pressure	left to right	N/A
calibration medium	air	N/A
electronic outputs	(must be specified)	analog outputs: 4-20 mA (2 wire) 0-5 VDC (3 wire)
supply voltage	9-28 VDC (reverse polarity protected)	
electrical connection	EN 175301-803 (DIN 43650) Form "C" (8 mm), 3-pin appliance connector	
pin-out	1: + (EXC) 2: - 3: 0-5 VDC	
primary wetted parts	aluminum	N/A
secondary wetted parts	range spring: 302SS magnet: ceramic	N/A
static & piston seals	buna-N	Viton
lens	molded plastic	N/A
dial sizes	1"	N/A
dial markings	colored arc, green to red asc. (red 70% to 100% of dial arc)	N/A