



IPS 200 Indicating Pressure Switch

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The Anderson Pharmaceutical Series IPS 200 Indicating Pressure Switch is a gauge with two independent switches. This gauge offers user adjustable high and low setpoints and provides a separate solid state, ground closure switch for each. The solid state circuit requires an external 12-24 VDC supply, and each switch is capable of handling 1 amp maximum at 24 VDC. Switches will automatically reset themselves once the process variable clears the setpoint. An optional 115 or 230 VAC interface module will provide a SPDT (Form "C") electromechanical relay for each setpoint which will switch up to 6 amps. Specifications for the Pharmaceutical Gauge apply to the IPS 200 as well.



SPECIFICATIONS

Low Setpoint Range:

5-70% of full scale

High Setpoint Range:

30-90% of full scale (setpoints cannot cross)

Process Temperature:

121°C(249.8°F)

CIP/SIP:

149°C(300.2°F) for 1hour max.

Ambient Temperature:

49°C(120.2°F)

Operating Voltage:

12-24 VDC

Operating Current:

50 mADC

Switching Hysteresis:

(Deadband): 3% of full scale

Effect of Re-zero Feature:

Sets pointer only

Cable:

#24 AWG, 4 conductor

Cable Length:

(with optional module): 10' standard, 200' max

Cable Length:

(without module) 10' standard, 25' max at full rated load

Diaphragm:

Welded 316L stainless steel, electropolished
Minimum Ra = 8 microinches (.2 microns)

Fitting:

Welded 316L stainless steel polished (180 grit)

Case and Stem:

Welded 304 stainless steel polished (180 grit)

Crystal:

Polysulfone, 0.80" min. thickness, corrosion resistant

Dial:

3.5" diameter (90mm); pressure sensitive adhesive

OPTIONAL INTERFACE MODULE

Operating Voltage:

90 to 260 VAC, 50/60 Hz, 10 VA max

AC Dip and Surge Protection:

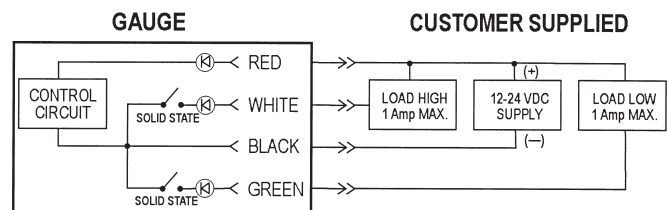
60 to 375 VAC for 5 seconds max

Operating Current:

1/8 amp, 115-230 VAC

Relay Contact Rating:

6 amp, 250 VAC inductive/resistive and 4 amp, 30 VDC max



NOTE: The Anderson IPS 200 cannot be glycerine filled or autoclaved. Specifications are subject to change.

Complete Product Ordering Matrix



- PRESSURE RANGE**
- 029 30" Hg/0/30 psig (-1/0/2 Bar)
 - 031 30" Hg/0/60 psig (-1/0/4 Bar)
 - 032 30" Hg/0/100 psig (-1/0/7 Bar)
 - 034 30" Hg/0/300 psig (-1/0/20 Bar)
 - 066 0-30 psig (0-2 Bar)
 - 069 0-60 psig (0-4 Bar)
 - 071 0-100 psig (0-7 Bar)
 - 074 0-160 psig (0-11 Bar)
 - 077 0-300 psig (0-20 Bar)
 - 082 0-600 psig (0-40 Bar)

- 055 -1/0/2 Bar
- 056 -1/0/4 Bar
- 058 0/2.5 Bar
- 060 0/6 Bar
- 061 0/10 Bar
- 064 0/16 Bar
- 067 0/40 Bar

- DIAL NAME/LOGO**
- 01 Anderson

- PROCESS CONNECTION**
- 004 1 1/2" Tri-Clamp®
 - 005 2" Tri-Clamp®
 - 111 38mm SMS (male)
 - 110 51mm SLS (female) w/nut
 - 112 51mm SMS (male)
 - 123 Anderson "CPM" Flushmount

- MOUNTING**
- 1 Bottom
 - 5 Left
 - 6 Right

- DAMPENING**
- 0 None
 - 1 Mechanical Dampening

- CAPILLARY FILL**
- 1 Mineral Oil
 - 4 80/20 Glycerin/H₂O (Standard)
 - 5 Propylene Glycol (Neobee M-20)

- MODULE & CABLE**
- 00 No Module, 10' Cable
 - 01 No Module, 25' Cable
 - 02 With Module & 10' Cable
 - 04 With Module & 20' Cable
 - 06 With Module & 30' Cable
 - 08 With Module & 40' Cable
 - 10 With Module & 50' Cable
 - 15 With Module & 75' Cable
 - 20 With Module & 100' Cable
 - 21 With Module & 125' Cable
 - 22 With Module & 150' Cable
 - 23 With Module & 175' Cable
 - 24 With Module & 200' Cable



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