



IPS 200 Indicating Pressure Switch

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)

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:

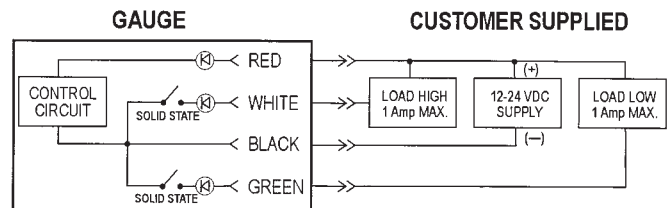
60 to 375 VAC for 5 seconds max

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)
 033 30"-0-160 (-1/0/11 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
 010 1 1/2" APC "K" Clamp
 011 2" APC "K" Clamp
 016 1 1/2" Cherry-Burrell I-line (male)
 017 2" Cherry-Burrell I-line (male)
 022 1 1/2" Val-Line (male)
 023 2" Val-Line (male)
 027 1 1/2" G & H "H" line
 028 2" G & H "H" line
 032 1 1/2" Cherry-Burrell "Q"
 033 2" Cherry-Burrell "Q"
 051 1 1/2" APC K-15W XF (female) self-aligning
 052 2" APC K-15 W XF (female) self-aligning
 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 Glycof (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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 Revised August 2004