

Product Information - EG **LIFE SCIENCES**

IPS 200 Indicating Pressure Switch

Introduction

The Anderson-Negele Life Sciences 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 Life Sciences Gauge apply to the IPS 200 as well.

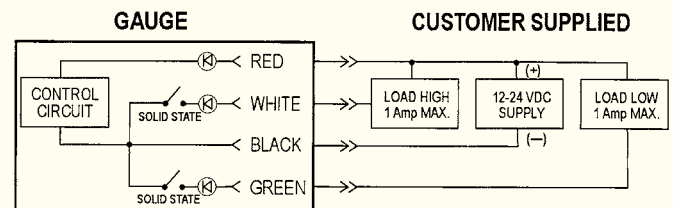


Specifications

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.

Order Information



- 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) ¹
 - 110 51mm SMS (female) w/nut ¹
 - 112 51mm SMS (male) ¹
 - 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

¹ Not 3-A compliant