



LEVEL
PRESSURE
TEMPERATURE
INSTRUMENTATION
PASTEURIZATION CONTROLS

IPS 100 - INDICATING PRESSURE SWITCH

SPECIFICATIONS*

IPS 100

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

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.

Power Loss Hold Up Time: 40 milliseconds at full load and 115 VAC min.

NOTE: The Anderson IPS 100 cannot be glycerine filled or autoclaved.

* Specifications are subject to change.

The Anderson 90mm IPS 100 - Indicating Pressure Switch is a gauge with two 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") electro-mechanical relay for each

setpoint which will switch up to 6 amps. The switches are available on either Anderson's Standard Series, or Pharmaceutical Series 90mm gauges and do not affect the normal specifications. (Form #3389)



IPS-100 Ordering 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)
- 033 30" Hg/0/160 psig (-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)
- 084 0-1,000 psig (0-70 Bar)
- 002 -1/0/2 Bar
- 005 -1/0/4 Bar
- 075 0-2 Bar
- 079 0-4 Bar
- 208 0-7 Bar
- 193 0-11 Bar
- 086 0-20 Bar
- 089 0-40 Bar

DIAL NAME/ LOGO

- 01 Anderson

PROCESS CONNECTION

- 004 1-1/2" Tri-Clamp
- 005 2" Tri-Clamp
- 016 1-1/2" Cherry-Burrell I-line (male)
- 017 2" Cherry-Burrell I-line (male)
- 059 1-1/2" NPT male

MOUNTING

- 1 Bottom
- 5 Left
- 6 Right

CAPILLARY FILL

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

CRYSTAL

- 1 Standard Polycarbonate
- 2 Polysulphone
(for corrosive atmospheres)

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