

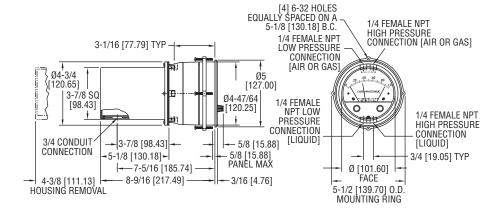
CAPSU-PHOTOHELIC® PRESSURE SWITCH/GAGES Lo-Limit and Hi-Limit Control, Aluminum or Brass Case Available

Set points are instantly adjusted with front knobs.



Series 43000 Capsu-Photohelic® Switch/Gage





Series 43000 Capsu-Photohelic® Switch/Gage with Brass Body

SERIES 43000 Capsu-Photohelic® Switch/Gages function as versatile, highly repeatable pressure switches combined with a precise pressure gage employing the time-proven Magnehelic® gage design. The Capsu-Photohelic® switch/gage employs an encapsulated sensing element for use with both liquids and gases at pressures to 500 psig (34 bar). Optional cast brass case is available for water or water based liquids. Two phototransistors actuated, DPDT relays are included for low/high limit control. Easy to adjust set point indicators are controlled by knobs located on the gage face. Individual set point deadband is one pointer width — less than 1% of full scale. Set points can be interlocked to provide variable deadband — ideal for control of pumps

FFATURES/BENEFITS

- · Gage capsule permits high-pressure usage with small differentials
- · Zero and range adjustments outside of gage means no disassembly in normal
- · Time-proven, simple, frictionless movement that permits full scale readings as low as 0.5 in w.c.
- · Photo-electronic relays provide fast-acting switching with variable deadband control for chatter-free operation

APPLICATIONS

- · Pump control
- · Pumping systems
- · Waste water
- · Compatible liquid or gas applications

MODEL CHART				
Model	Range in w.c.	Model	Range in w.c.	
43000-0	05	43050	0-50	
43001	0-1.0	43060	0-60	
43002	0-2.0	43080	0-80	
43003	0-3.0	43100	0-100	
43004	0-4.0	43150	0-150	
43005	0-5.0	43200	0-200	
43006	0-6.0	43300	0-300	
43008	0-8.0	43400	0-400	
43010	0-10	43500	0-500	
43015	0-15	43302	1-0-1	
43020	0-20	43304	2-0-2	
43025	0-25	43310	5-0-5	
43030	0-30	43320	10-0-10	
43040	0-40	43330	15-0-15	

ACCESSORY		
Model	Description	
A-298	Flat aluminum bracket for flush mounting	

SPECIFICATIONS

GAGE SPECIFICATIONS

Service: Compatible gases and liquids. Brass case option required for water based liquids.

Wetted Materials: Consult factory. Accuracy: ±3% of FS at 70°F (21.1°C). ±4% on 43215, 43220 and 43500

Pressure Limits: -20 Hg to 500 psig (-0.677 to 34.5 bar).

Temperature Limits: 20 to 120°F (-6.67 to 48.9°C). Low temperature option available.

Process Connections: 1/4" female NPT. Size: 4" (101.6 mm) dial face, 5" (127 mm) OD x 9-3/16" (233.36 mm).

2 oz (5.05 kg).

Weight: 5 lb, 8 oz (2.49 kg). Brass 11 lb,

SWITCH SPECIFICATIONS

Switch Type: Each setpoint has 2 form C relays (DPDT).

Repeatability: ±1% of FS.

Electrical Rating: 10 A @ 120 VAC, 6 A @ 240 VAC, 60 Hz res. 10 A @ 28 VDC. Electrical Connections: Screw terminals

Power Requirements: 120 VAC. 50/60 Hz; 240 VAC & 24 VAC power optional. Mounting Orientation: Diaphragm in vertical position. Consult factory for other position orientations.

Set Point Adjustment: Adjustable knobs

OPTIONS

Single Contact

Right set point, for actuation on increasing or decreasing pressure

Power Supply

24 VAC or 220 VAC powered relay pack

Remote-Mounted Relay

Relay pack may be mounted remotely from gage. Specify cable length required.

Tamper-proof Knobs

Low temperature option, special scales, voltages and other features and modifications are available.

Special Housing

Available include Weatherproof (NEMA 4) and Explosion-proof (NEMA 7 C, D, 9 E, F, G; NEC Class I, Div. 1 & 2, Groups C, D, Class II, Div. 1 & 2, Groups E, F, G, Class III. Contact Customer Service for detailed dimension drawings.

To order add suffix:	Description	
В	Brass body; For water based liquids order optional brass case	
Example: 43001B		
-NIST	NIST traceable calibration certificate	
Example: 43001-NIST		

Process Tubing Options: See page 443 (Gage Tubing Accessories)