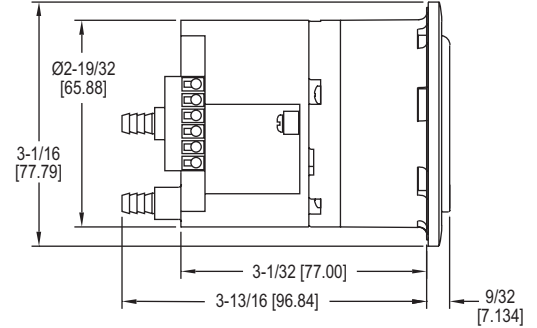
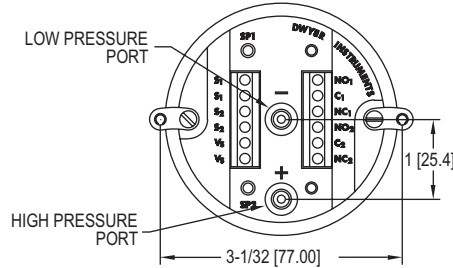


# MINI-PHOTOHELIC® DIFFERENTIAL PRESSURE SWITCH/GAGE

Compact, Low Cost Switch Gage



The **Series MP Mini-Photohelic® Differential Pressure Switch/Gage** combines the time proven Minihelic® II differential pressure gage with two SPDT switching set points. The Mini-Photohelic® switch/gage is designed to measure and control positive, negative, or differential pressures consisting of non-combustible and non-corrosive gases. Gage reading is independent of switch operation. Switching status is visible by LED indicators located on the front and rear of the gage. Set points are adjusted with push-buttons on the back of the unit.

**FEATURES/BENEFITS**

- Gage reading unaffected by switch operation and will continue to read pressure even during power loss
- Visible switch status LED provides indication of set point switching state
- Compact design but with the power of larger devices can meet the same application specifications

**APPLICATIONS**

- Fume hoods
- Dust collection
- Pneumatic conveying
- Clean room

**SPECIFICATIONS**

**GAGE SPECIFICATIONS**

**Service:** Air and non-combustible, compatible gases.  
**Wetted Materials:** Consult factory.  
**Accuracy:** ±5% of FS @ 70°F (21.1°C). Gage face mounted in vertical position.  
**Pressure Limits:** 30 psig (2.067 bar).  
**Temperature Limits:** 20 to 120°F (-6.7 to 49°C).  
**Process Connections:** Barbed for 3/16" ID tubing (STD); 1/8" male NPT (optional).  
**Size:** 4-1/8" (104.78 mm) depth x 3-1/16" (77.79 mm) diameter.  
**Weight:** 23 oz (652 g).

**SWITCH SPECIFICATIONS**

**Switch Type:** (2) SPDT relays.  
**Electrical Rating:** 5 A @ 120/240 VAC resistive; 5 A @ 30 VDC.  
**Electrical Connections:** Screw type terminal block. Accepts 22-12 AWG wire.  
**Power Requirements:** 24 VDC / 24 VAC 50/60 Hz 4 watts.  
**Mounting Orientation:** Gage face in vertical position.  
**Set Point Adjustment:** Push-buttons.  
**Standard Accessories:** (2) mounting screws, (1) .050" hex allen wrench.  
**Agency Approvals:** CE, cULus.

Differential Pressure Gages/Switches, Dial

MODEL CHART			
Model	Range, Inches of Water	Model	Range, Pa
MP-000	0-0.5	MP-125PA	0-125
MP-001	0-1.0	MP-250PA	0-250
MP-002	0-2.0	MP-500PA	0-500
MP-003	0-3.0		
MP-005	0-5.0	Model	Range, kPa
MP-010	0-10	MP-1KPA	0-1
MP-020	0-20	MP-3KPA	0-3

OPTIONS	
To order add suffix:	Description
-NPT	1/8" male NPT connections
<b>Example:</b> MP-000-NPT; <b>Note:</b> Allow additional lead time.	
-NIST	NIST traceable calibration certificate
<b>Example:</b> MP-005-NIST	

ACCESSORIES	
Model	Description
A-301	Static pressure tip for 1/4" metal tubing connection
A-302	Static pressure tip for 3/16" and 1/8" I.D. plastic or rubber tubing
A-302F-A	303 SS static pressure tip with mounting flange; for 3/16" ID rubber or plastic tubing; 4" insertion depth; includes mounting screws
A-489	4" straight static pressure tip with flange