

PRESSURE GAUGE WITH MICRO SWITCH WEATHER PROOF TYPE PIS5000

Proof Pressure to 40 MPa (400 kg/cm²)
Measuring Range: 0~(-1) kg/cm² ;
1~400 kg/cm² Available

Technical Data

- Dial:** ø4", ø6" available
- Material:** Bourdon tube SS316; Wetted parts SS316
- Housing:** SS304; option SS316 on request
- Protection Class:** IP66
- Lens:** Safety glass
- Blow-out:** Back ø25mm (1")
- Pressure Limited:** Over range protected 130% of full scale range
- Accuracy:** Gauge indication ±1.0% F.S
- Span Range & Zero Adjustable**
- Process Connection:** ½"NPT male Bottom or Back connection ;
option with adaptor available
- Electronic Connection:** DIN43650, Universal plug connector;
option with adaptor available
- Switch Form:** One setting point: SPDT x 1 ;
Two setting points: SPDT x 2 available

NOTE. Negative pressure only 「one setting point」 available.

- Set Point:** Full scale range available
- Switch Dead Band:** Please check the *Range Selection Table* for SPDT x 1 & SPDT x 2

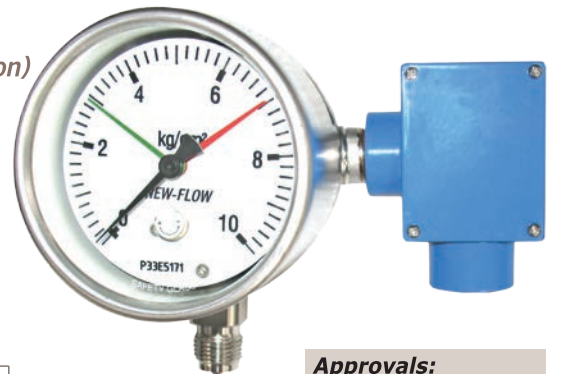
Switch Data:

| | AC Load | | DC Load |
|---------------------------|-------------------|--------------|-------------------|
| Nominal Operating Voltage | 250 VAC max. | 125 VAC max. | 30 VDC max. |
| Current | 3A | 5A | 5A max. |
| Code | 1 | 2 | |
| Contact Material | Pure silver 999.9 | | Pure silver 999.9 |
| Ambient Temperature | -20°C~+70°C | | -20°C~+70°C |



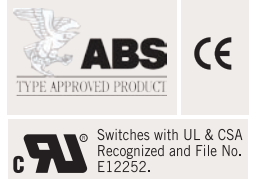
(Bottom Connection)

Panel Mounting
(Back Connection)



(Bottom Connection)

Approvals:



Patent No.

M337067

Dimensions-mm

1. Connection Size: ½"NPT male, Bottom
Conduit: Plug universal connector,
M20 x 1.5 cable connection

2. Connection Size: ½"NPT male, Bottom
Conduit: ½"NPT female

3. Connection Size: ½"NPT male, Back
Cable Gland: M16 x 1.5

NOTE.: Please contact with the manufacturer for the dimensions of ø6" front flange.

Range Selection Table – KG/CM²

| Code | Range | Dead Band | | Code | Range | Dead Band | | Code | Range | Dead Band | | Code | Range | Dead Band | |
|------|--------|-----------|--------|------|-------|-----------|--------|------|-------|-----------|--------|------|-------|-----------|--------|
| | | SPDTx1 | SPDTx2 | | | SPDTx1 | SPDTx2 | | | SPDTx1 | SPDTx2 | | | SPDTx1 | SPDTx2 |
| 000 | 0~(-1) | ±2.5% | | 004 | 0~4 | ±2% | ±4% | 008 | 0~20 | ±2% | ±2% | 012 | 0~100 | ±2% | ±2% |
| 001 | 0~1 | ±2% | ±5% | 005 | 0~6 | ±2% | ±2% | 009 | 0~25 | ±2% | ±2% | 013 | 0~160 | ±2% | ±2% |
| 002 | 0~1.6 | ±2% | ±4% | 006 | 0~10 | ±2% | ±2% | 010 | 0~40 | ±2% | ±2% | 014 | 0~250 | ±2% | ±2% |
| 003 | 0~2.5 | ±2% | ±4% | 007 | 0~16 | ±2% | ±2% | 011 | 0~60 | ±2% | ±2% | 015 | 0~400 | ±2% | ±2% |

NOTE.: 1. Scale Unit: MPa, Kg/Cm², Bar available
 2. 1 bar= 0.1 MPa, 1 bar= 1.01972 kg/cm², 1 Pa= 1 x 10⁻⁶ MPa, 1 MPa= 10.197 kg/cm²
 3. Negative pressure only "one setting point" available.

Ordering Information

| | | | | | | |
|---------|------|--|--|------------------------|-----|---------------------------------------|
| PIS5000 | Code | | Dial Size | | | |
| | A | | ø4" | B | ø6" | |
| | Code | | Type | | | |
| | 1 | | Bottom Connection Type | 2 | | Back Connection Type (panel mounting) |
| | Code | | Process Connection - Male Thread | | | |
| | | | (1) ½" BSP(PF) (2) ½" NPT (3) Option (with adaptor) | | | |
| | Code | | Conduit Connection | | | |
| | A | | ½" NPT female | | | |
| | B | | DIN 43650 (one setting point) | | | |
| | C | | Plug universal connector, M20 x 1.5 cable connection (two setting point) | | | |
| | D | | Cable Gland M16 x 1.5 (for back connection, panel mounting only) | | | |
| | Code | | Material | | | |
| | S | | SS316 | | | |
| | Code | | Micro Switch | | | |
| | 1 | | One setting point SPDT x 1 | | | |
| 2 | | Two setting point SPDT x 2 | | | | |
| Code | | Measuring Range | | | | |
| | | Please refer to the Range Selection Table and fill in the request range. | | | | |
| Code | | Switch Rating | | | | |
| 1 | | 3A/250VAC, 5A/125VAC, 3A/30VDC (Standard) | | | | |
| 2 | | 5A/250VAC, 5A/125VAC, 3A/28VDC (Option: Please contact to New-Flow first) | | | | |
| PIS5000 | | | | Complete Ordering Code | | |