

PRESSURE GAUGE WITH MICRO SWITCH EXPLOSION PROOF TYPE

PIS5000X

Explosion Proof Type
Micro Switch
Measuring Range: 0~(-1) kg/cm²; 1~400 kg/cm² Available

Technical Data

Material: Bourdon tube SS316; Wetted parts SS316
Housing: Die cast aluminum alloy, and SS316 available
Dial: ø6"
Process Connection: 3/8", 1/2"NPT male; option with adaptor available
Electronic Connection: 1/2" or 3/4" NPT, G female thread, or M20xP1.5, M25xP1.5 available
Accuracy: Gauge indication ±1.0% F.S
Pressure Limited: Over range protected 130% of full scale range
Switch Form: One setting point: SPDT x 1 or 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.	28 VDC max.
Current	5A max.	5A max. (ohmic load) 3A max. (inductive load)
Contact Material	Pure silver 999.9	Pure silver 999.9
Ambient Temperature	-20°C~+70°C	-20°C~+70°C

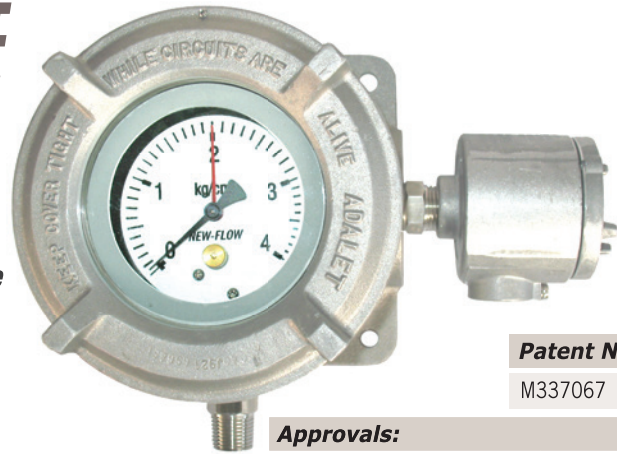
Range Selection Table – KG/CM²

Code	Range	Dead Band		Code	Range	Dead Band	
		SPDTx1	SPDTx2			SPDTx1	SPDTx2
000	0~(-1)	±2.5%		009	0~25	±2%	±2%
001	0~1	±2%	±5%	010	0~40	±2%	±2%
002	0~1.6	±2%	±4%	011	0~60	±2%	±2%
003	0~2.5	±2%	±4%	012	0~100	±2%	±2%
004	0~4	±2%	±4%	013	0~160	±2%	±2%
005	0~6	±2%	±2%	014	0~250	±2%	±2%
006	0~10	±2%	±2%	015	0~400	±2%	±2%
007	0~16	±2%	±2%	016	Optional		
008	0~20	±2%	±2%				

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

Ordering Information

PIS5000X	Code	Process Connection	Code	Explosion Proof Type / Housing Material
		(1) 3/8"NPT male (2) 1/2"NPT male (3) option	B	Taiwan Explosion Proof Certification / Aluminum alloy Ex d IIB + H2 T6 Gb
		Code Conduit Connection (Female)		Code Switch Rating
		(A) 1/2"NPT (B) 3/4"NPT (C) G1/2" (D) G3/4"		5A / 250VAC
		(E) M20 x P1.5 (F) M25 x P1.5 (O) Option		5A / 28VDC
		Code Wetted Parts Material		3A / 28VDC
		S SS316		
		Code Switch Function		
		1 One setting point SPDT x 1		
		2 Two setting point SPDT x 2		
		Code Measuring Range		
		Please refer to the selection table and fill in the request range.		
PIS5000X				+ Complete Ordering Code



Patent No.
M337067

Approvals:



Switches with UL & CSA Recognized and File No. E12252.

TD0400TJ
工電(2016)第00133號

Dimensions-mm

