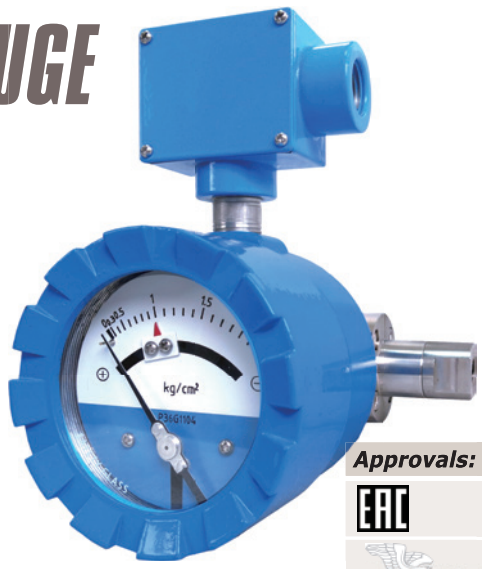
DIFFERENTIAL PRESSURE GAUGE
DPG5000

Combine With Switch or 4~20mA Output Signal Available
Weather Proof, Diaphragm Type
Range Available: 0-0.5-7 kg/cm² (0-7-100 PSI)



DPG5000 series consist of high and low pressure ports.
Spring and diaphragm as well as magnet couple with pointer.
Differential pressure indicated on dial due to ΔP pressure of high side and low side be made from magnet couple with pointer. It could combine with micro switch for using in controller system.

Approvals:

Patent No.
M449263
China: ZL 2012 2 0666839.5

Switches with UL & CSA Recognized and File No. E41515.

Technical Data

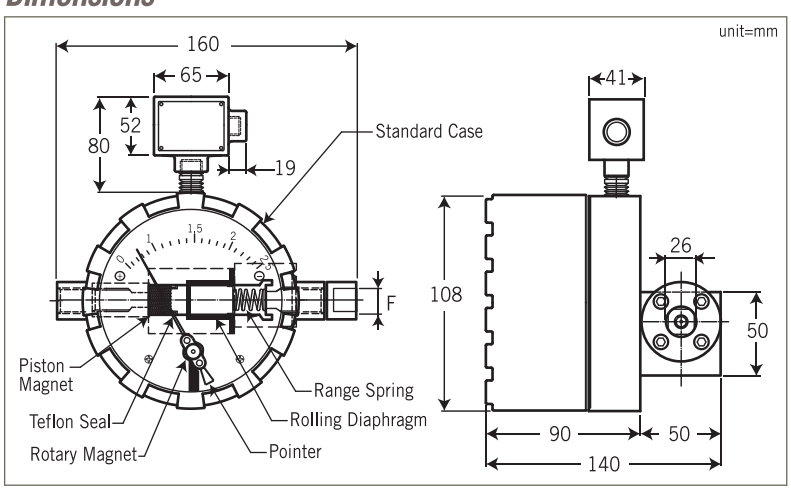
Dial Size: ø4"
Accuracy: ±2% F.S (on rising pressure)
Switch Data: One SPDT micro switch or Two SPDT micro switches, 5A/125VAC, 5A/250VAC, 2A/30VDC; Dead Band ±12%
Output Signal: 4~20mA, 2 wires, DC24V power supply
Housing: Die cast aluminum alloy with paint and SS316 available
Housing Protection: IP66
Electronic Connection: Standard ½"NPT female; ¾"NPT female available
Pressure Element: Diaphragm- Viton; other parts all in SS316
Process Connection: ½" or ¼"NPT female available
Working Pressure: 200 kg/cm²
(Both of High & Low side must be pressured on line at the same time.)
Working Temperature: max. 80°C

Range Selection Table

Code	Range		Maximum D/P Pressure Proof
07R	0~7 psi	0~0.5 kg/cm²	8 psi
09R	0~9 psi	0~0.6 kg/cm²	10 psi
12R	0~12 psi	0~0.8 kg/cm²	13 psi
17R	0~17 psi	0~1.2 kg/cm²	19 psi
30R	0~30 psi	0~2 kg/cm²	33 psi
40R	0~40 psi	0~2.5 kg/cm²	44 psi
60R	0~60 psi	0~4 kg/cm²	66 psi
100R	0~100 psi	0~7 kg/cm²	110 psi

NOTE.: If you need Flow Scale, please contact with factory.

Dimensions



Ordering Information

DPG5000	Code	Dial Size
	A	ø4"

Code	Range	Code	Range	Code	Range	Code	Range
07R	0~7 psi	09R	0~9 psi	12R	0~12 psi	17R	0~17 psi
30R	0~30 psi	40R	0~40 psi	60R	0~60 psi	100R	0~100 psi

Code	Wetted Parts Material
A	SS316

Code	Housing Material		
1	Aluminum alloy with paint	2	SS316

Code	Process Connection
	(1) ½"NPT Female (2) ¼"NPT Female

Code	Electronic Connection
	(E) ¾"NPT Female (F) ½"NPT Female, standard

Code	Control Form				
1	One SPDT	2	Two SPDT	3	4~20 mA

DPG5000								Complete Ordering Code