



**ISO 9001  
REGISTERED**

# ***NEW-FLOW***

## ***Instruction Manual***

**DIFFERENTIAL PRESSURE SWITCH  
EXPLOSION PROOF TYPE**



**DPS2000X**

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# INSTALLATION

## Instructions Method

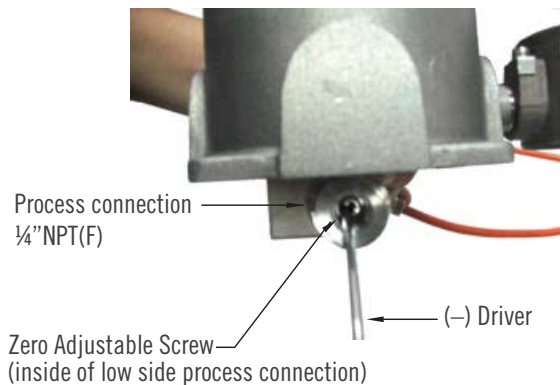
1. At first, open housing case. You will find scale plat, indicating point, setting arrow inside (Fig 1)



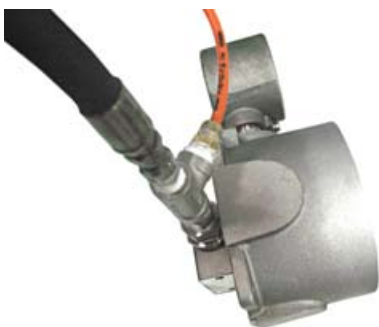
2. Leakage Test : Given a pressure in high side and low side at same tim for check leakage to connection (according to working pressure rate) (Fig 2)



3. Zero adjustable : To adjusting zero pointer take a (—) Drive to adjust zero screw inside of low side pressure connection port. (Fig 3)



4. Check  $\Delta P$  scale range : Given Low side a pressure and fixed.High side increase pressure to reach  $\Delta P$  scale range conformity with a standard gauge. (Fig 4)



5. Scale range check : Given a pressure limited to maximum scale range: then increase pressure into low side confirm  $\Delta P$  range is correct. (Fig 5)

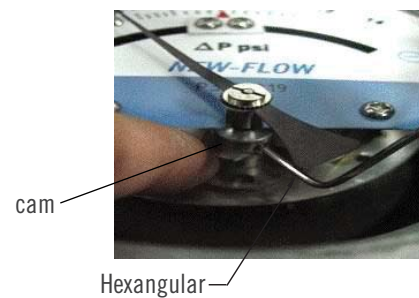
Ex:  $\Delta P$  range 4kg/cm<sup>2</sup>, Given high side : 4kg/cm<sup>2</sup>, then given pressure, 1.2.3.4 kg/cm<sup>2</sup> step by step into low side. Check scale range.



6. Switch contact check : Open terminal box case, then with multi meter make sure contact (SPDT 1a,1b)



7. If the range needs to be reseted, please open an upper cover at first and relax the revolvable cam with the hexangular key wrench. Turn the pointer to the requested alarm set point with hand and hold the hand at the position.Let the revolvable cam touch the micro switch to cause NO, COM short-circuited. When the multimeter displays zero,lock the cam tightly in place.



8. Finally, move the alarm pointer to the alarm of new setting point and lock tightly by "+" driver with hand.

