



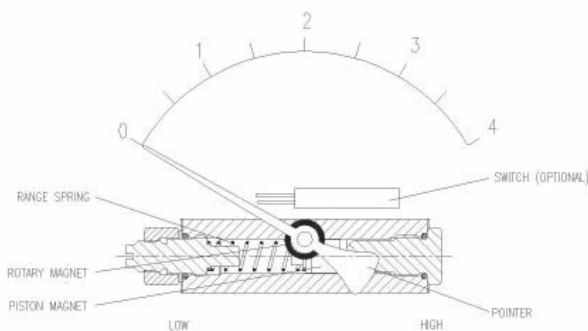
1000 Series Differential Pressure Gauge Operating and Installation Instructions

Gauge Inspection:

Please read the product specifications label attached to the gauge body to insure that this gauge is the same one specified for the particular application as it applies to dial size, materials of construction, working pressure, differential pressure, etc. Inspect for any shipping damage and, if discovered, report it immediately.

Product Design Features:

The NOSHOK 1000 Series is a magnetically coupled differential pressure gauge. The internal piston/magnet travels linearly in a very close tolerance bore and a follower magnet, attached to the pointer, tracks this movement. The pointer, in turn, indicates the differential pressure on the dial. By design, there is a small leakage of media, within the sensor body, across the piston/magnet from side to side. It can be seen when the high side is receiving pressure, but the low side is open to atmosphere. In this condition, there will be no differential pressure shown on the gauge. Both sides must be connected to read the differential pressure. NOTE: The 1000 Series is not suitable for level indication applications, or for use with diaphragm seals.



Gauge Mounting:

The 1000 Series gauge is supplied, standard, for panel mounting. When installing the 2.5" dial gauge into the panel, remove the four (4) bezel screws, mount the gauge from back to front through the panel, then reinstall the four (4) bezel screws through the panel and into the bezel, securing the gauge to the panel. When installing the 4.5" dial gauge, install the four (4) threaded studs into the back of the dial case, mount the gauge from front to back through the panel and secure the gauge to the back of the panel by tightening the locking nuts to the threaded studs. Optional pipe mount kits or wall mount kits are available. (Note: 2 1/2" gauge cannot be panel mounted if case is liquid filled.)

Gauge Connections:

Supplied, standard, with (2) x 1/4" FNPT back connections and are clearly indicated with Hi (+) and Lo (-). Optional connection sizes and/or end connections are available.

Troubleshooting:

If the gauge is not indicating differential pressure, check to insure that both the high (+) and low (-) connections have been properly installed. Check to insure that there is pressure to the high (+) side of the gauge and that there is differential pressure across the device being monitored by the NOSHOK 1000 Series. If the gauge is being used together with a three-valve manifold, check to insure that the high (+) and low (-) valves are in the open position and the equalizer valve is in the closed position.

The
Instrumentation
Company



Corporate Headquarters

1010 West Bagley Road
Berea, Ohio 44017
Ph: 440.243.0888
Fax: 440.243.3472
E-mail: noshok@noshok.com
Web: www.noshok.com