

DIFFERENTIAL PRESSURE TRANSDUCER

- Please read these instructions before you begin installation.

MODEL: WGT-420

The model WGT-420 converts a differential or gauge air pressure signal to a 4-20 mA signal. It provides higher accuracy using a new silicone sensor at the same cost as the LPTB models it replaces. A signal conditioning circuit runs as a two wire 4-20mA device.

The input pressure signals are mechanically dampened to reduce sensitivity to turbulence and short duration pressure fluctuations.

Integral zero and span adjustments are factory calibrated to specified output signal levels and may be field adjusted if required. The circuit design produces very little interaction between span and zero pots.

Typical applications of this instrument include HVAC monitoring of filter differential pressures, fan static pressures, clean room pressures, variable air volume systems and velocity pressures

TECHNICAL DATA

Accuracy

+/- 1% of span on ranges with span of 3" w.g. or more, +/-1.5% on smaller ranges

Output

4-20 mA, 2 wire

Overload Limit

3 x nominal maximum pressure

5 x nominal max pressure with rezeroing

Operating Temperature

-20 + 70C

Temp Compensation Range

0 to 70 C

Pressure connection

0.180 OD slip on fitting

Supply voltage (Vs)

9 to 30 Vdc

Media

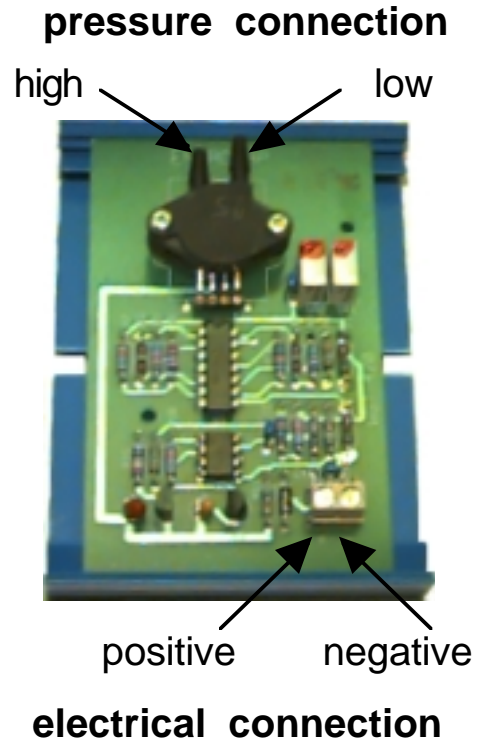
Air, and non-ionic fluids

Wetted parts

Glass filled nylon, silicon diaphragm, alumina ceramic

Ranges

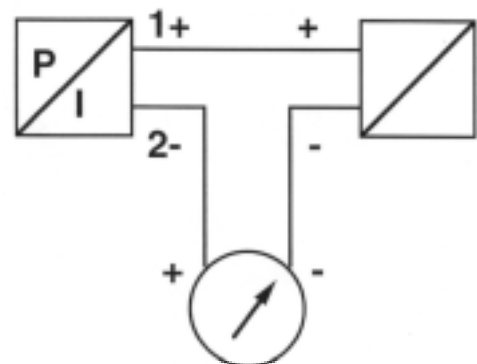
WGT-420-010B	+/-0 to 1" Wg
WGT-420-015	0 to 1.5" Wg
WGT-420-020	0 to 2" Wg
WGT-420-030	0 to 3" Wg
WGT-420-050	0 to 5" Wg
WGT-420-100	0 to 10" Wg



WIRING

4341
pressure transmitter

12-30VDC
power supply



Receiving instrument