

DIFFERENTIAL PRESSURE TRANSDUCER

- Low ranges from 1.5 " Wg
- Snap-in track mounting
- Low price with 1% accuracy

MODEL: WGT-420

The model WGT-420 differential pressure transducer has been developed primarily for HVAC and similar applications. It converts a differential or gauge air pressure signal to a 4-20 mA signal. It provides higher accuracy at the same cost as the LPTB models it replaces.

The new silicone sensor offers excellent performance characteristics at a low cost. 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.

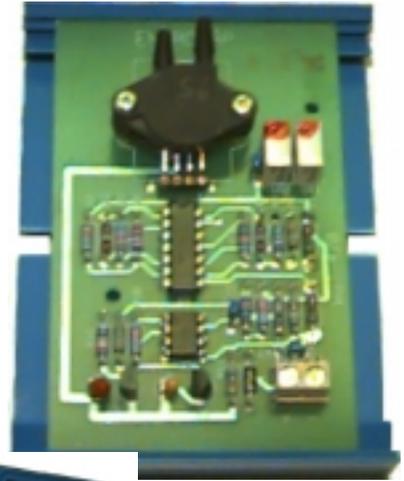
ORDERING DATA

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

The WGT-420 can also be supplied in higher pressure PSI ranges. Please consult factory with your requirements

The WGT-420 is normally supplied on snap-in track. It is also designed to fit in the same enclosure we use for our duct mount temperature and humidity instruments. Please specify *enclosure mounting* if required.

Snap-in track mounting



Enclosure mounting

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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

ENERCORP

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