



## P/I TRANSMITTER MODEL 511000 / 0-30 PSIG

The Model 511000 P/I is a very rugged pneumatic-to-current or voltage transmitter using a solid-state strain gauge pressure transducer for the input signal and producing a linear D.C. current or voltage output signal. The transducer and electronics are housed in an all-steel case with front adjustable Zero and Span controls. The 511000 is a very dependable instrument designed for the general-purpose instrumentation market where long life and durability are important.

### TECHNICAL SPECIFICATIONS

#### INPUTS:

0-10" H<sub>2</sub>O, 0-25" H<sub>2</sub>O, 0-1 PSIG, 0-5 PSIG, 0-10 PSIG, 0-15 PSIG, 3-15 PSIG, 0-25 PSIG, 3-27 PSIG, and 0-30 PSIG

#### OUTPUT:

4-20 or 10-50 MADC, 0-5, 1-5, 0-10, 1-10 Volts D.C.

#### OUTPUT RIPPLE:

2.5 MV RMS

#### ACCURACY:

+/- 0.5% Full Scale (at 75°F)

#### THERMAL ZERO SHIFT:

+/- 3.0% (0-5 PSI), + 1.5% (0-30 PSI)

#### COMPENSATED TEMP. RANGE:

[TRANSDUCER ONLY]

32°F to 120°F

#### THERMAL SENSITIVITY EFFECT:

+/- 1.5% of Full Scale

#### AMBIENT OPERATING TEMPERATURE:

-20 to + 140°F

#### OPERATING POWER:

117V AC /50-60Hz/ +/- 8%  
(220 /50-60Hz/ Optional)

#### POWER CONSUMPTION:

4.0 Watts

## PNEUMATIC TO CURRENT TRANSMITTER



#### PRESSURE INPUT CONNECTION:

1/4", Fitting Brass Swagelok

#### INPUT MEDIA:

Instrument Air

#### OPTIONS

NEMA-4/12 Enclosures  
Explosion Proof  
Enclosures  
Zero Based Output Signal

#### FEATURES

Diffused Silicon Sensor  
Voltage or Current Output  
Small Size 3" x 5" x 4" Front  
Adjustable Zero/Span

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