**PRODUCT DESCRIPTION**

The PET Series converter receives frequency input and converts it to a proportional 4-20mA or 0-10V analog output. It has been designed to fit a compact "ELBY" explosion-proof enclosure. The frequency range is field selectable to fit most applications. ZERO and SPAN adjustments make it easy to calibrate to almost any measurement range. This PET is designed for use with the Lo-Co Series and TriFlo Series flowmeters.

**SPECIFICATIONS**

Supply Voltage: 9 – 30 VDC  
Supply Current: < 4.0 mA  
Input Protection: 100 VAC, reversed leads  
Output Protection: Short to 0 VDC, Common or Signal out Continuous  
Frequency Input Range F: Hi: max full scale 10 kHz  
min full scale 1100 Hz  
Lo: max full scale 1200 Hz  
min full scale 75 Hz  
Input Sensitivity: Standard 12 mVpp  
Linearity: 0.5% max., 0.15% typical  
Output Settling Time: Full scale change to 95% of final value 100mS to 3 sec  
Output Ripple and Noise: .2 mA max p-p, 1% of full scale  
.02 mA typical, .01% of full scale  
Temperature Coefficient: 25˚ to 40˚C, 0.13%/˚C  
Operating Temp. Range: -40˚ to +85˚C (-40˚ to +185˚F)  
ZERO/SPAN Adjustment Interaction: < 1%  
3 WIRE OUTPUT VERSION: 20 mA Range  
Minimum Output Current: 0.07 mA  
Maximum Output Current (Full Scale Min. Cal., Zero Cal. Set to 4 mA): 24.1 mA  
Load Resistance: <(+V - 6v)/ 20 mA output:  
+V=12v: < 300 ohms  
+V=24v: < 900 ohms  
Terminal Connections: 1. Input VDC  
2. Common  
3. Signal Out  
CE-Compliance: EN55011, EN55022-2

**MODEL NUMBERS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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<tbody>
<tr>
<td>PET-1</td>
<td>0 to 10 VDC analog output</td>
</tr>
<tr>
<td>PET-3</td>
<td>4 to 20 mA analog output 3-wire</td>
</tr>
<tr>
<td>PET-7</td>
<td>4 to 20 mA analog output 2-wire</td>
</tr>
</tbody>
</table>

**DIMENSIONAL INFORMATION**

**TECHNICAL DATA SHEET**
**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>OUTPUT</th>
<th>PET- A</th>
<th>- B</th>
<th>- C</th>
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<tr>
<td>1 0 to 10 VDC Analog</td>
<td></td>
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<tr>
<td>3 4 to 20mA output 3-Wire Analog</td>
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<tr>
<td>7 4 to 20mA output 2-Wire Analog</td>
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</table>

**ENCLOSURE**

1 General Purpose
2 ELBY Type Explosion Proof Enclosure
CLASS I DIV 1 & 2, GROUPS C & D
CLASS II, DIV 1 & 2, GROUPS E, F & G
CLASS III
UL & CSA LISTED

**OPTIONS**

(X) None
(1) 1/2” MNPT x 1” FNPT adapter for use with ELBY Enclosure to Mount to Standard 1” Flowmeter Riser
(CE) Mark required for Europe

**TYPICAL INSTALLATION WIRING**

**Model PET-1**

0 – 10 VDC Analog Output

**Model PET-3**

4 – 20 mA Analog Output • Three Wire

**Model PET-7**

4 – 20 mA Analog Output • Two Wire