**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.

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.

2. Common. 5. Mag Pickup.

CE-Compliance: EN55011, EN55022-2.

**MODEL NUMBERS**

- **PET-1** 0 to 10 VDC analog output.
- **PET-3** 4 to 20 mA analog output 3 wire.
- **PET-7** 4 to 20 mA analog output 2 wire.
**PET-**  \((A)\) - \((B)\) - \((C)\) - CE

**OUTPUT**
1. 0 to 10 VDC Analog
2. 4 to 20mA output 3 Wire Analog
3. 4 to 20mA output 2 Wire Analog

**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
   - Not for use in ATEX or IEC classed areas. Single 1/2" FNPT conduit connection.

**OPTIONS**
- None
- (1) 1/2” MNPT x 1” FNPT adapter for use with ELBY Enclosure to Mount to Standard 1” Flowmeter Riser

**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

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The specifications contained herein are subject to change without notice and any user of said specifications should verify from the manufacturer that the specifications are currently in effect. Otherwise, the manufacturer assumes no responsibility for the use of specifications which may have been changed and are no longer in effect.