

# BARGRAPH DISPLAY

**P101**

Form and Fit Replacement for Ametek-Dixson BE051 & BE101



## DESCRIPTION

Precision Instrument Company's *New P101* is a form & fit replacement of the **BE051 & BE101**. All designed, manufactured, tested and packaged in Tucson, AZ. USA. The look is similar but the performance has been greatly enhanced.

\***Display:** 101 segment bright LED bargraph display with four digit numeric and "-" sign.

\***Out of Range:** over/under range is indicated by flashing the top or bottom bargraph segment.

\***Housing:** Same as **BE** Series, 94V-0 rated ABS.

\***Power Input:** 12VDC, 24VDC & 48VDC or 100-240VAC isolated.

\***Connector:** Plug-in screw terminal connector for 16-22 ga. wire with wire protector.

\***Signal Inputs:** VDC/mADC (including 4-20mA)

\***Replacement:** 100% for BE051 & BE101 basic function models.

\***Scale Plate:** The standard scale plate is 0-100% however we can accommodate virtually any scale plate required

## FEATURES

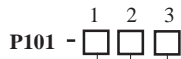
- Microprocessor-based
- 12, 24 & 48VDC or 100-240VAC power
- mADC or VDC Signal inputs
- Exclusive 2 year warranty program

## SPECIFICATIONS @ 25C AMBIENT

# Segments on bargraph .....	101	Over-Under Range .....	Display Blinks
# Digits.....	Four plus sign -9999 to 9999	Power Input Isolated .....	12-48VDC
Analog Input Accuracy .....	±0.01%	Power Input Isolated .....	100-240VAC
Display Resolution .....	0.1%	Operating Temperature .....	0-60°C
Polarity .....	Unipolar	Storage Temperature .....	-20 to 70°C
Zero & Span .....	Yes	Humidity.....	5-95% Non-condensing
Response Time.....	75ms (10-90% of F.S.)	MTBF (Calculated) .....	>50,000Hrs
Power Requirement.....	About 1Watt	Temp. Coefficient: .....	±0.005%/°C
		Warranty .....	2 Years



**Bargraph Display**  
Direct Replacements for Ametek/Dixson BE series



**SIGNAL INPUT (ZIN OHMS)**

- 1 ..... (100) 4-20mADC
- 2 ..... (1M) 0-1VDC
- 3 ..... (1M) 0-10VDC
- 4 ..... (1M) 1-5VDC

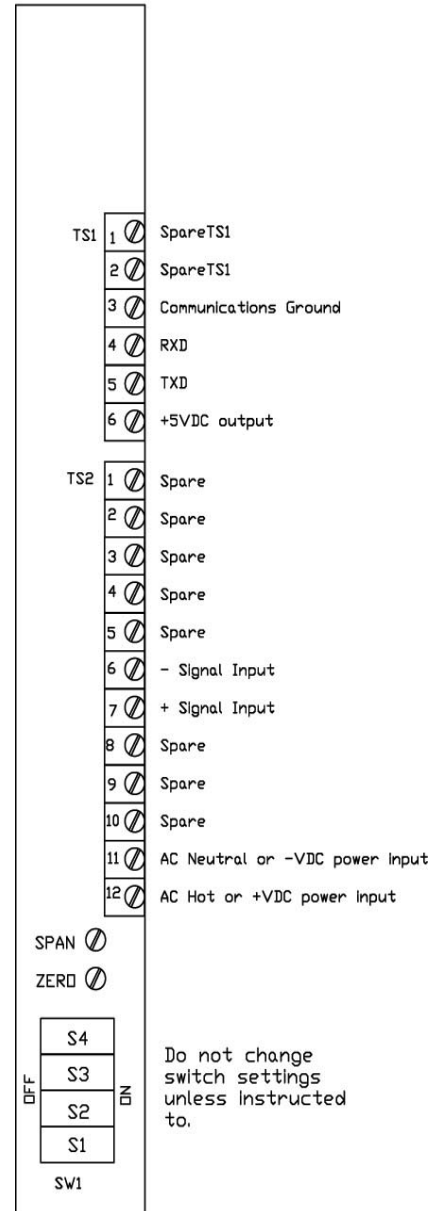
**POWER INPUT**

- 4 ..... Isolated 12VDC +/- 10%
- 5 ..... Isolated 24VDC +/- 10%
- 6 ..... Isolated 48VDC +/- 10%
- 7 ..... Isolated 100-240VAC

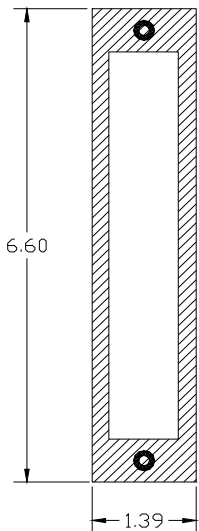
**DIGITAL DISPLAY & MOUNTING**

- 0...No digital & Vertical mount
- 1...Yes digital & Vertical mount
- 2...Yes digital & Horizontal mount
- 3...No digital & Horizontal mount
- 4...No digital, Center Zero, Vertical mount
- 5...No digital, Center Zero, Horizontal mount

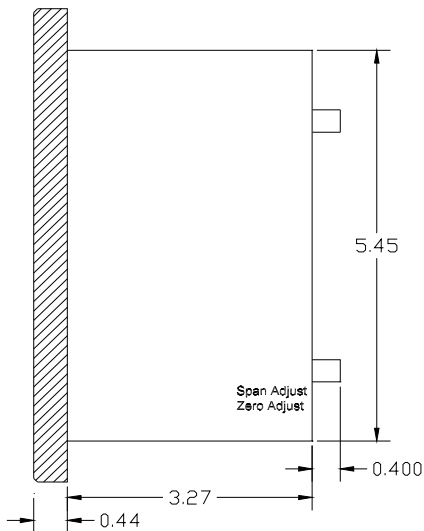
Rear View of P101. For horizontal versions rotate this drawing 90 degrees counter clockwise



**FRONT VIEW**



**SIDE VIEW**



**PANEL CUTOUT**

