

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

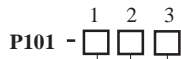
- Microprocessor-based
- 12, 24 & 48VDC or 100-240VAC power
- mADC or VDC Signal inputs
- Exclusive 2 year warranty program

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

