

Features

- 50-segment bar graph display
- 251 mm (10") scale length
- Bright, wide-angle, red LEDs
- Accepts 4-20 mA or 0-10 V process signals
- Units of measure window
- Polycarbonate case sealed to IP65 (NEMA-4) on all sides
- Detachable screw-terminal connectors
- Universal 95 to 265 Vac or 11 to 30 Vdc power
- Vertical or horizontal bar graph orientation
- Panel mount, wall mount, or suspension mount
- EM certified (CE Mark)

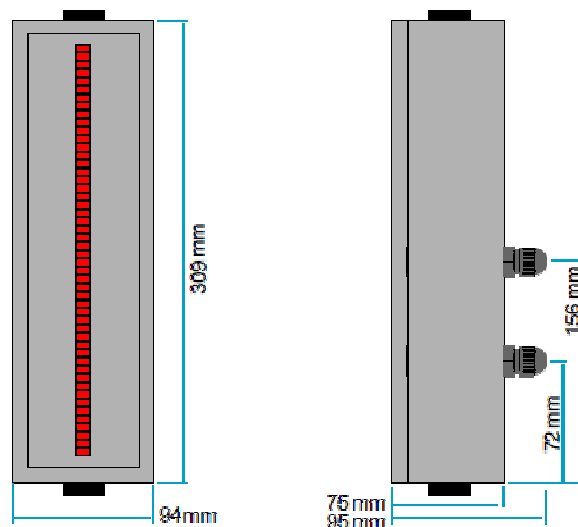
Description

The **PRO-BAR Series** provides economical, high-visibility 50-segment bar graph displays for 4-20 mA or 0-10 V process signals. The scale measures a full 251 mm (10") for exceptional visibility over long distances. A units-of-measure window allows the scale to be labeled. Scaling is by means of easy screwdriver adjustments.

The **PRO-BAR housing** is made of polycarbonate and can be panel mounted or wall mounted. Installation can be such that the bar graph is horizontal or vertical. The housing is sealed to IP65 (NEMA-4) from all sides.

LED bar graph meters are popular replacements for sight-glass or moving coil contact displays. With LEDs, there are no moving parts to wear, visibility is excellent, and the cost of maintenance is very low.

Bar graph meters are an ideal means to display relative values, with no need to interpret numerical data. They can be augmented by digital panel meters or large-digit numeric displays when absolute readings are required. The same process signal can be applied to bar graph and digital meters.



Case Dimensions



Specifications

Signal		
Range	4-20 mA	0-10 V
Input resistance	22Ω	1 MΩ
Bias current	N/A	5 pA
Max input	80 mA	100 V
NMR, 45 to 1000 Hz	56 dB	56 dB
CMR, 0 to 450 Hz	70 dB	70 dB
Display		
Format	50 red LED segments	
Scale length	250 mm (9.84")	
Accuracy		
Resolution	1 part in 50	
Accuracy at 25±C	± 0.5% of full scale	
Speed of response	100 msec	
Warm-up time	None required	
Calibration	Zero & span potentiometers	
Power Supply		
Voltage options	95 to 265 Vac or 11 to 30 Vdc	
Power consumption	5W typ.	
Environmental		
Operating Temperature	-20°C to 50°C (4°F to 122°F)	
Storage Temperature	-40°C to 85°C (-40°F to 185°F)	
Relative Humidity	0-90% RH at 40°C, non-condensing	
Corrosion resistance	Avoid chemicals harmful polycarbonate	
Protection	NEMA-4 (IP65) all around	
Case Dimensions		
Bezel dimensions, wall mount	309 x 94 mm (12.17" x 3.70")	
Bezel dimensions, panel mount	326 x 111 mm (12.83" x 4.37")	
Panel mount cutout	311 x 96 mm (12.24" x 3.78")	
Depth behind panel	110 mm (4.33"), including connectors	
Connectors	Detachable screw-clamp connectors	

Ordering Guide

Create a model a model number in this format: **PB2000P**

Display Type	PB Large Bargraph Display
Display Color	2 Red LEDs
Power	0 95 to 264 Vac 1 11 to 30 Vdc
Format	0 Vertical Format 1 Horizontal Format
Mounting	0 Panel Mount 1 Wall Mount
Signal Input	Process Signals (4-20 mA, 0-5 V, etc.) P Default Scaling. 4-20 mA = 0-100% P1 Custom Scaling In the write-in field of your order, specify min input, min reading; max input, max reading. 24 Vdc excitation.