



LYNX FAMILY

# TEXMATE

## BX-B31 Lynx Bargraph Meter 31 LED Segments in a 1/16 DIN Case

A versatile, modular bargraph with optional single or dual setpoints.

### General Features

- 31 segment AC/DC powered modular compact bargraph.
- 1/16 DIN (96 x 24mm ) case easily mounts in thin or thick panels (up to 2").
- Red (std), green (optional) or amber (optional) colors.
- Vertical or horizontal formats.
- External transmitters or signal conditioners can be eliminated by directly connecting the sensor to more than 33 **I-Series** Plug-in Input Signal Conditioning Modules that include:
  - AC Current
  - AC Voltage
  - DC Current
  - DC Voltage
  - Load Cell
  - Pressure
  - Process
  - Prototype
  - Resistance
  - Strain-gage
  - Temperature
  - 4 to 20 mA
- Pre-calibrated **I-Series** Input Signal Conditioning modules, that have span or zero potentiometers, can be interchanged between any **I-Series** compatible meter, without recalibration, because all of the analog scaling and reference circuitry is self-contained within the module.
- 24 V DC excitation is available to power external transmitters and 5 or 10 V DC excitation is available for strain-gages, load cells and resistance bridge type sensors.
- High voltage power supply (PS1) 85 - 265VAC / 95 - 300VDC  
Low voltage power supply (PS2) 15 - 48VAC / 10 - 72VDC
- Optional single or dual setpoints with easy adjustment from the front.
- Dual 4A Form "A" relays or one 4A Form "A" and one 9A Form "C" relays.
- Easy configuration of relays as high or low setpoints.
- Proportional brightness mode for increased effective optical resolution.
- UL Listed.

### Input Module Compatibility

- ☑ **LYNX FAMILY:** More than 33 different Plug-in **I-Series** Input Signal Conditioners are approved for Texmate's Lynx Family of meters.



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See [www.texmate.com](http://www.texmate.com) for an up to date listing.

### Specifications

- Input Specs:** .....Depends on input signal conditioner
- A/D Converter:** .....31 step flash converter
- Accuracy:** .....±(0.05% of reading + 3 counts)
- Temp. Coeff.:** .....100 ppm/°C (Typical)
- Warm up time:** .....2 minutes
- Display:**.....Thirty-one 0.2" x 0.06" (5.08 x 1.52mm) LED segments. Red display (std), green (opt) or amber (opt)
- Positive Overrange:**...All segments flash.
- Negative Overrange:**..Zero segment flashes
- Power Supply:** .....AC/DC Auto sensing wide range supply
  - PS1 (std) .....85-265 VAC, 50-400Hz / 95-300 VDC @ 1.5W
  - PS2 .....15-48 VAC, 50-400Hz / 10-72 VDC @ 4.0W
- Operating Temp.:** .....0 to 50° C
- Storage Temp:** .....-20° C to +70° C
- Relative Humidity:** ....95% (non condensing)
- Case Dimensions:** ....1/16 DIN, Bezel: 96x24mm(3.78"x0.95")
  - Depth behind bezel 122.2 mm (4.83")
  - Plus 12.7mm (0.5") for Right-angled connector.
- Weight:** .....198 gms (7 oz)  
255 gms (9 oz) when packed