TEXMATE MEASUREMENT CONTROL AUTOMATION EST. 1976





LYNX FAMILY

BX-45

Lynx Panel Meter
4 1/2 DIGIT 0.56" LED
in a 1/16 DIN Case

A versatile panel meter that utilizes many different types of plug-in signal conditioners.

General Features

- External transmitters or signal conditioners can be eliminated by directly connecting the sensor to more than 33 **I-Series** Plug-in Input Signal Conditioners that include:

  – AC Current
  – AC Voltage
  – DC Current
  – DC Voltage
  – Load Cell
  – Pressure
  – Process
  – Prototype
  – Resistance
  – Strain-gage
  –Temperature
  – 4 to 20 mA

- Precalibrated **I-Series** input 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.
- Auto-sensing AC/DC power supply. For voltages between **85-265 V AC / 95-300 V DC (PS1)** or 15-36 V AC / 10-72 V DC (PS2).
- Standard red or optional green or super bright red 4 1/2-digit 0.56" LED with display range -19999 to 19999 (40000 counts).
- Display brightness may be externally controlled.
- 1/16 DIN (96 x 24mm) case easily mounts in thin or thick panels (up to 2").
- UL Listed.

Input Module Compatibility

☑ **LYNX FAMILY**: More than 30 different Plug-in **I-Series** Input Signal Conditioners are approved for Texmate's Lynx Family of meters. As shown on pages 3 to 5.



LYNX

See www.texmate.com for an up to date listing.

Specifications

Input Specs: .....Depends on input signal conditioner
A/D Converter: .....16 bit dual slope
Accuracy: .....±(0.05% of reading + 3 counts)
Temp. Coeff.: .....100 ppm/°C (Typical)
Warm up time:.....2 minutes
Conversion Rate:.....3 conversions per second (Typical)
Display:.....**4 1/2 digit 0.56" Red LED display (std)**, 0.56" Green or Super Bright Red (optn). Range –19999 to 19999 counts.
Polarity: .....Assumed positive. Displays – negative
Decimal Selection:....Header under face plate, X•X•X•X•X
Positive Overrange:..All digits flash.
Negative Overrange: – negative sign and all digits flash
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 @ 1.5W
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:.....7 oz., 9 oz when packed