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LYNX FAMILY

FX–B101Q

Lynx Bargraph Meter
101 Segment
in a 9/64 DIN CASE

A low cost red or optional green, 101 segment bargraph in a 36x144 case, providing a direct connection to most sensors for monitoring and measurement applications.

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 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. 5 or 10 V DC excitation is provided for resistance bridge type sensors.
- 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.
- A red or optional green 101 segment bargraph.
- Auto-sensing AC/DC power supply. For voltages between **85-265 V AC / 95-300 V DC (PS1)** or 14-48 V AC / 10-72 V DC (PS2).
- Optional 16 Bit isolated analog output that can be used to drive an external process device such as a chart recorder, remote display, or for retransmission to a central control room. User or factory scalable to 4 to 20 mA, 0 to 20 mA or 0 to 10 V across any desired span from ± one bar to the full scale range
- Center zero setting, header selectable.
- Provision for external brightness setting switch (by connecting the DIM to the GND pin on the back of the meter).
- Smart averaging (to speed up display response).
- Optional NEMA-4 front cover.
- 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.

LYNX

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

Specifications

Input Specs: .....Depends on range and function selected
A/D Converter: .....14 bit single slope
Accuracy: .....±(0.05% of reading + 1segment)
Temp. Coeff.: .....100 ppm/°C (Typical)
Warm up time:.....2 minutes
Conversion Rate:.....10 conversions per second (Typical)
Bargraph Display:.....**101 segment 4" vertical (std)**, horizontal (optn), **red (std),** green (optn)
Polarity: .....Selectable center zero
Positive Overrange:..Bargraph display flashes
Negative Overrange: First segment of bargraph display flashes
Analog Output: .....Isolated 16 bit user scalable mA or V
OIC (mA out) .....4-20 mA @ 0 to 500Ω max loop resistance
OIV (volts out) ..... 0-10 V DC @ 500 Ω or higher resistance
Power Supply:.....AC/DC Auto sensing wide range supply
PS1 (std).....**85-265 VAC, 50-400Hz / 95-300 VDC @ 1.5W**
PS2 .....14-48 V AC, 50-400Hz / 10-72 V DC @1.5W
Operating Temp.: .....0 to 50°C
Storage Temp:.....–20°C to 70°C
Relative Humidity: ....95% (non condensing)
Case Dimensions: ....3/32 DIN, Bezel: 36x144 mm(1.42"x5.69") Depth behind bezel: (4.64") 117.5 mm Plus 10 mm (0.39") for Right-angled connector, or plus 18.3 mm (0.72") for Straight-thru connector, or plus 26.5 mm (1.05") for Push-On connector.
Weight:.....9.5 oz., 12 oz when packed