TEXMATE

LEOPARD FAMILY

C UL US
LISTED
E469078

CE

FL-B101D40

Leopard Bargraph Meter
101 Segment, 4 Digit 0.32" LEDs in a 9/64 DIN CASE

This smart Tricolor or Mono-color digital bargraph has four fully programmable set points for monitoring, measurement, and control applications.

General Features

- External transmitters or signal conditioners can be eliminated by direct connection of the sensor output to more than 40 Plug-in Input Signal Conditioners that include:

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

- Optional isolated 16 bit analog output. User or factory scalable to 4 to 20 mA, 0 to 20 mA or 0 to 10 V across any desired digital span from ± one count to the full scale range of – 1999 to 9999 (12000 counts).

- A Programmable Tricolor (Red-Green-Orange) or mono color (red or green), 101 segment high brightness bargraph. Vertical or optional horizontal format.

- Red 4-digit LED display with a range of -1999 to 9999 (12000 counts). Optional green digital display.

- Front panel LED annunciators provide indication of setpoint status.

- Two 9 Amp Form C, and two 4 Amp Form A relays available

- Auto-sensing AC/DC power supply. For voltages between 85-265 V AC / 95-300 V DC (PS1) or 18-48 V AC / 10-72 V DC (PS2).

- 24 V DC excitation is available to power external 4/20mA transmitters and 5 or 10 V DC excitation is available for resistance bridge type sensors.

- Provision to connect an external programming lockout switch.

- Provision for external DIM switch to reduce the brightest display setting by 50%.

- Optional NEMA-4 front cover.

- Automatic intelligent averaging, smooths noisy signals while providing a fast display response to real level changes.

- UL Listed

Software Features

- The bargraph can display, full scale, any desired portion of the digital reading.
- Bargraph center zero function.
- Four programmable setpoints with adjustable Hysteresis.
- Setpoint 1 has delay-on-make and delay-on-break plus a special "pump on pump off" mode that creates a

- Hysteresis Band between SP1 and SP2.
- Relay activation can be selected to occur above (hi) or below (Lo) each setpoint.
- Digital display blanking.
- Decimal point setting.
- Four-level brightness control accessed by the ⬆ button and adjusted by the ⬇ button.

Input Module Compatibility

☑ **LEOPARD FAMILY:** More than 38 different Plug-in I-Series Input Signal Conditioners are approved for Texmate's Leopard Family of meters.

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

Specifications

Input Specs:..............Depends on Input signal conditioner
A/D Converter:..........14 bit single slope
Accuracy:..................±(0.05% of reading + 2 counts)
Temp. Coeff.:.............100 ppm/°C (Typical)
Warm up time:...........2 minutes
Conversion Rate:......10 conversions per second (Typical)
Digital Display:..........**4 digit 0.31" LED red (std)**, green (optn) Range –1999 to 9999 counts.
Bargraph Display:.....**101 segment 4" red vertical (std)**, green or tricolor (optn), horizontal (optn)
Polarity: ....Assumed positive. Displays – negative
Decimal Selection:....Front panel button selectable, X•X•X•X•
Positive Overrange:..Bargraph and top segments of digital display flash.
Negative Overrange: First segment of bargraph and bottom segments of digital display flash.
Relay Output:............Two 4 Amp Form A relays and Two 9 Amp Form C relays.
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 @ 4.2W**
  PS2 ....18-48 VAC,50-400Hz / 10-72 VDC @ 4.2W
Operating Temp.: ......0 to 50°C
Storage Temp:...........–20°C to 70°C
Relative Humidity: ....95% (non condensing)
Case Dimensions: ....9/64 DIN (Bezel 36Wx144Hmm) Depth behind bezel (5.83") 148mm Plus (0.7") 18mm for connectors
Weight:.......................9.5 oz., 12 oz when packed