

TEXMATE

FL-B101D40PS

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



This smart Tricolor or Mono-color digital bargraph with programmable scale factor 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
 - AC/DC Voltage
 - Load Cell
 - Pressure
 - Process
 - Prototype
 - Resistance
 - Temperature
 - 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 \pm 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.
- 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.
- Bargraph center zero function.
- Four programmable setpoints with adjustable Hysteresis.
- 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.



LEOPARD

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: \pm (0.05% of reading + 2 counts)
Temp. Coeff.: 100 ppm/ $^{\circ}$ 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 500 Ω 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 $^{\circ}$ C
Storage Temp: -20 $^{\circ}$ C to 70 $^{\circ}$ 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