

TEXMATE

DL-40PSF

**Leopard Panel Meter
4 Digit 0.56" or 0.8" LEDs
in a 1/8 DIN CASE**



Large display option
0.8" red or green LED



LEOPARD FAMILY



An economically smart meter relay with programmable scale factor and offset with isolated 4 to 20 mA output retransmission capability for measurement and control applications in a 96x48mm case.

General Features

- External transmitters or signal conditioners can be eliminated by direct connection of the sensor output to more than 45 Plug-in Input Signal Conditioners that include:
 - AC/DC Current
 - AC/DC Voltage
 - Load Cell
 - Pressure
 - Process
 - Prototype
 - Resistance
 - *Temperature
 - 4 to 20 mA
- *See models DL-40H for higher accuracy digitally linearized thermocouple and RTD
- 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).
- Auto-sensing AC/DC power supply. For voltages between **85-265 V AC / 95-300 V DC (PS1)** or 15-48 V AC / 10-72 V DC (PS2).
- 24 V DC excitation is available to power external transmitters and 5 or 10 V DC excitation is available for resistance bridge type sensors such as Load Cells and Pressure Transducers.
- Standard red or optional green or super bright red 4-digit LED with display range –1999 to 9999 (12000 counts).
- Red or green 0.8" LED large display option
- Four annunciator LEDs provide front panel alarm status indication for up to four setpoints.
- Two 9 Amp Form C and two 4 Amp Form A relays, or optionally four 4 Amp Form A relays are available.
- Automatic intelligent averaging smooths noisy signals, while providing a fast display response to real input signal changes.
- UL Listed

Software Features

- Three-button programming from the front panel (UP, DOWN and PROGRAM buttons).
- Three front panel selectable ranges.
- Front panel selectable four-level brightness control of digital display, and setpoint LEDs.
- Four programmable setpoints.
- Relay activation can be selected to occur above (HI) or below (LO) each setpoint.
- Hysteresis setting for all four setpoints. Delay on make and delay on break for SP1 and SP2.
- Peak and Valley. View and Reset.

Input Module Compatibility

LEOPARD FAMILY: More than 45 different Plug-in **I-Series** Input Signal Conditioners are approved for Texmate's Leopard Family of meters.



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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:5 conversions per second (Typical)
Display:**4 digit 0.56" Red LED display (std),**
0.56" or 0.8" Red, Green or Super
Bright Red (optn)
Range –1999 to 9999 counts.
Polarity:Assumed positive. Displays – negative
Decimal Selection:Front panel button selectable, X•X•X•X•
Positive Overrange:Top segments of digital display flash
Negative Overrange:Bottom segments of digital display flash
Relay Output:Two 4 Amp Form A relays and two 9
Amp Form C, or 4 Amp form A relays.
Analog Output:Isolated 16 bit user scalable mA or V
AIC (mA out)4-20 mA @ 0 to 500 Ω max loop resistance
AIV (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 @ 3.5W
PS215-48 VAC 50-400Hz / 10-72 VDC @ 3.5W
Operating Temp.:0 to 50 $^{\circ}$ C
Storage Temp.:–20 $^{\circ}$ C to 70 $^{\circ}$ C.
Relative Humidity:95% (non condensing)
Case Dimensions:1/8 DIN, Bezel: 96x48 mm (3.78"x1.89")
Depth behind bezel: 117 mm (4.61")
Plus 11.8 mm (0.47") for Right-angled
connectors, or plus 20 mm (0.79") for
Straight-thru connector.
Weight:6.5 oz., 8.5 oz when packed