TEXMATE

DL-40RPM

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

LEOPARD FAMILY

Large display option
0.8" red or green LED

CE

NOW FEATURING OPTIONAL PLUG-IN RELAY OR SSR OUTPUT MODULES

An economically smart meter relay for RPM measurement.

General Features

- This meter has been designed specifically for RPM measurements. Just enter the pulses per revolution and the DL-40RPM meter will calculate and display the RPM reading.

- Three ranges with resolutions of 0.1 RPM, 1 RPM and 10 RPM (99.99 X 1000 RPM max.).

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

- 24 V DC excitation is available to power external sensors.

- Auto-sensing AC/DC power supply. For voltages between **85-265 V AC / 95-370 V DC (PS1)** or 15-48 V AC / 10-72 V DC (PS2).

- Standard red or optional green or super bright red 4-digit LED

- Red or green 0.8" LED large display option.

- Four annunciator LEDs provide front panel alarm status indication for up to four setpoints.

- Optional relays. Two 10 Amp Form C and two 5 Amp Form A relay, or optionally four 5 Amp Form A relays are available.

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

There is 1 Plug-in Modular Input Signal Conditioner, IF05, for this specialized RPM only member of the Leopard Family.

LEOPARD

Specifications

Input Specs: ....Depends on Input Signal Conditioner
A/D Converter: ....14 Bit Single Slope
Accuracy: ....±1 count
Temp. Coeff.: ....100 ppm/°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 to 9999 counts.
Polarity: ....Assumed positive.
Decimal Selection: ....Automatic by selection of resolution
Positive Overrange: ..Top segments of digital display flash
Relay Output: ....Two 5 Amp Form A relays and two 10 Amp Form C, or 5 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 / 95-370 VDC @ 2.5W max 3.5W**
   PS2 ....15-48 VAC / 10-72 VDC @ 2.5W max 3.5W
Operating Temp.: ......0 to 60 °C
Storage Temp: ....–20 °C to 70 °C.
Relative Humidity: ....95% (non condensing)
Case Dimensions: ....1 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

Ordering Information

BASIC MODEL #	DISPLAY	POWER SUPPLY	INPUT MODULES	ANALOG OUTPUT*	RELAY OUTPUT*	OPTIONS / ACCESSORIES
DL-40RPM —		—	—	—	—	— OA___

Add to the basic model number the order code suffix for each standard option required. The last suffix is to indicate how many different special options and or accessories that you may require to be included with this product. *Except when when R1 or R2 relay output is selected, a meter ordered with an analog output or a relay output module requires an Output Module Carrier Board which should be automatically included with the order, with an additional charge. (See special Options and Accessories section)

Ordering Example: DL-40RPM-DR-PS1-IA01-AIC-R1-OA2, the 2 OA's are, CR-CHANGE and a OP-N4X/96X48

▶ **BASIC MODEL NUMBER**
DL-40RPM . . 96x48mm, Leopard, 4 Digit, RPM Meter

Standard Options for this Model Number

Order Code Suffix   *Description*

▶ **DISPLAY**
DR . . .Red LED, 0.56 inch high
DB . . . .Super–bright Red LED, 0.56 inch high
DG . . . .Green LED, 0.56 inch high
LG . . . . .Large Green LED, 0.8 inch high
LR . . . . .Large Red LED, 0.8 inch high

▶ **POWER SUPPLY**
PS1 . .85 - 265VAC / 95 - 370VDC
PS2 . . . .15 - 48VAC / 10 - 72VDC

▶ **INPUT MODULES (Partial List. See www.texmate.com)**
Unless otherwise specified Texmate will ship all modules precalibrated with factory preselected ranges and/or scalings as shown in **BOLD** type.

IF05 . . .Universal Frequency/RPM

▶ **ANALOG OUTPUT**
AIC . . . .Isolated 16 Bit Current Output, 0-20mA and 4-20mA, pls. specify
AIV . . . .Isolated 16 Bit Voltage Output, 0-10VDC

▶ **RELAY OUTPUT**
Note: R1 and R2 are located on the main board, and are generally used when only two Form A Relays or less are required and an Analogy Output is not required.
R1 . . . .Single 5A Form A Relay
R2 . . . .Dual 5A Form A Relays

▶ **RELAY OUTPUT MODULES**
Note: If a meter is ordered with a Relay Output Module, but without Analog Output, an Output Module Carrier Board should be automatically added to the order.

OR11 . .One 10 Amp Form C Relay, Isolated
OR15 . .One 10 Amp Form C and Two 5 Amps Form A Relays
OR16 . .One 10 Amp Form C and One 5 Amp Form A Relays
OR12 . .Two 10 Amp Form C Relays, Isolated
OR14 . .Two 10 Amp Form C and Two 5 Amps Form A Relays
OR23 . .Two 10 Amp Form C and One 5 Amp Form A Relay, Isolated
OR31 . .One 5 Amp Form A Relay, Isolated
OR32 . .Two 5 Amp Form A Relays, Isolated
OR33 . .Three 5 Amp Form A Relays, Isolated
OR34 . .Four 5 Amp Form A Relays, Isolated

Solid State Relay (SSR) Output Modules DC Only
OR51 . .One 400V DC Solid State Relay (SSR) 210mA
OR52 . .Two 400V DC Solid State Relays (SSR) 210mA
OR53 . .Three 400V DC Solid State Relays (SSR) 210mA
OR54 . .Four 400V DC Solid State Relays (SSR) 210mA

Solid State Relay (SSR) Output Modules AC/DC
OR61 . .One 400V AC/DC Solid State Relay (SSR) 140mA
OR62 . .Two 400V AC/DC Solid State Relays (SSR) 140mA
OR63 . .Three 400V AC/DC Solid State Relays (SSR) 140mA
OR64 . .Four 400V AC/DC Solid State Relays (SSR) 140mA

Special Options and Accessories (OA's)

Part Number   *Description*

▶ **SPECIAL OPTIONS (Specify Inputs or Outputs & Req. Reading)**
Output Module Carrier Board
*One carrier board must be ordered with any meter that includes any one or more of the following options: Analog Output and/or Relay Output Modules.
SA-DL/OM-CB . . . .Output Module Carrier Board, DL series
CR-CHANGE . . . .Range Change from Standard Range shown in **BOLD** type
CS-3/3.5/4 . . . . .Custom display scaling within standard ranges
COA-3/3.5/4 . . . .Custom scaling of analog output for digital meters & bargraphs
CCL-SETUP . . . .NRC to set-up Custom Configuration file and issue serial #
CCL-INSTL . . . . . .Installation of custom configuration, specify serial #CCL-
CSR-SETUP . . . . . .NRC to set-up custom selectable range
CSR-INSTL . . . . . .Factory installation - custom configuration, specify serial # CSR-
CSS-SETUP . . . . . .NRC to set-up custom special scaling
CSS-34/INSTL . . . .Installation - for 3.5 and 4.0 meters, specify serial # CSS-
COR-SETUP . . . . .NRC to set-up Relays in non-standard locations
COR-INSTL . . . . . .Installation - Relays in non-standard locations , specify serial # COR-

▶ **ACCESSORIES (Specify Serial # for Custom Artwork Installation)**
75-DBBZ9648F . . . .Black Bezel for 96x48mm Case
75-DMTCLIPF . . . . .Side Slide Brackets (2 pc) - extra set, extra strength
76-DL40G-N4 . . . . ."Touch" Green LED Faceplate, NEMA 4, Factory install
76-DL40LG-N4 . . . . ."Touch" Large Green LED Faceplate, NEMA 4, Factory install
76-DL40LR-N4 . . . . ."Touch" Large Red LED Faceplate, NEMA 4, Factory install
76-DL40R-N4 . . . . . ."Touch" Red LED Faceplate, NEMA 4, Factory install
ART-FS-S/D/C . . . . .NRC for artwork & set-up Faceplate/Desc/Co.Logo
ART-FS-S/D . . . . . .NRC for artwork & set-up Faceplate/Desc
ART-FS-001 . . . . . . .Install Custom Faceplate per meter - 1 color
OP-MTLCLIP . . . . . .Screw Mounting Clips (2 pc) - to screw tighten slide brackets
OP-MTL96X48 . . . . .Metal Surround Case, includes screw mounting clips
OP-N4X/96X48 . . . . .96x48mm clear lockable front cover–NEMA 4X, splash proof
Prices subject to change without notice.