

# Texmate Application-Specific Meters

Configure a Meter

- 3<sup>1</sup>/<sub>2</sub> Digit, 4<sup>1</sup>/<sub>2</sub> Digit and Bargraph Meters
- LED and LCD Displays
- Variety of NEMA & DIN Case Sizes Down to 1/32 DIN
- AC, DC or Loop Powered
- Measure
  - DC Volts
  - AC Volts
  - DC Current
  - AC Current
  - Process mA
  - Temperature (Thermocouple, RTD)
  - Line Frequency
  - RPM
  - Pressure

## DU-SERIES 1/8 DIN (96 x 48mm) METERS

Standard user selectable 100/120 VAC or 200/240 VAC power supply, option 24 VAC, or auto sensing isolated AC/DC 9 to 24 VAC, 12 to 36 VDC. 0.56" std. red or optional green or super bright red LED display.

### AC Current

- DU-35AC1.....AC Amps, Average, 1A (built-in shunt), 3.5-Digit
- DU-35AC5..... AC Amps, Average, 5A (built-in shunt), 3.5-Digit
- DU-35AC1RMS...AC Amps, RMS, 1A (built-in shunt), 3.5-Digit
- DU-35AC5RMS...AC Amps, RMS, 5A (built-in shunt), 3.5-Digit
- DU-40AC1.....AC Amps, Average, 1A (built-in shunt), 4-Digit
- DU-40AC5..... AC Amps, Average, 5A (built-in shunt), 4-Digit
- DU-40AC1RMS...AC Amps, RMS, 1A (built-in shunt), 4-Digit
- DU-40AC5RMS...AC Amps, RMS, 5A (built-in shunt), 4-Digit

### AC Voltage

- DU-35AC .....AC Volts, Average, 199.9/700.0 VAC
- DU-35ACRMSAC Volts, True RMS 199.9V/700V
- DU-40AC .....AC Volts, Average, 700.0 VAC, 4-Digit

### AC Line Frequency

- DU-35HZ .....Line Frequency 199.9 or 500 Hz up to 700V AC input w/3.5-Digit

### DC Voltage

- DU-35 .....DC Volts Selectable from 2V/20V/200V, 3.5-Digit
- DU-35MV .....DC mV Selectable 50 mV/100 mV/200 mV, 3.5-Digit
- DU-45 .....DC Volts Selectable from 2 V/20V/200V, 4.5-Digit
- DU-45MV .....DC mV Selectable 50 mV/100 mV/200 mV 4.5-Digit

### Process 4 to 20 mA

- DU-35CL .....Process 4 to 20 mA, 3.5-Digit
- DU-35CLE.....Process 4 to 20 mA with 24 VDC Excitation, 3.5-Digit
- DU-45CL .....Process 4 to 20 mA, 4.5-Digit

### Pressure

- DU-35P.....Strain Gauge, Load Cell, and Pressure, 4- and 6-Wire, 5 VDC Excitation, Selectable Sensitivity from 2 mV to 20 mV/V, 3.5-Digit, 0.56" LED Display

### Temperature

- DDU-35JC.....Thermocouple J, °C, 3.5-Digit
- DU-35JF.....Thermocouple J, °F, 3.5-Digit
- DU-35KC.....Thermocouple K, °C, 3.5-Digit
- DU-35KF.....Thermocouple K, °F, 3.5-Digit
- DU-35RTDC.....100Ω Pt RTD, 2/3/4-wire, °C, 3.5-Digit
- DU-35RTDF.....100Ω Pt RTD, 2/3/4-wire, °F, 3.5-Digit

### Metal Case Option for 96 x 48mm DIN Case

- OP-MTL96X48 Provides Extra Strength and Protection Against Fire
- OP-MTLCLIP Mounting clips



## BN-SERIES 1/16 DIN (96 x 24 mm) SHORT-DEPTH METERS

Standard 24 VDC isolated power supply, option 12V or 15 V. 0.56" std. red or optn. green or super bright red LED display.

### Process 4 to 20 mA

- BN-35CL .....Process 4 to 20 mA, 3.5-Digit

### DC Voltage

- BN-35I .....DC Volts Selectable from 2V/20V/200V, 3.5-Digit
- BN-45I .....DC Volts Selectable from 2V/20V/200V, 4.5-Digit

Meters below, 5 VDC power supply. 0.56" standard red or optional green or super bright red LED display.

- BN-35 .....DC Volts Selectable from 2V/20V/200V, 3.5-Digit
- BN-45 .....DC Volts Selectable from 2V/20V/200V, 4.5-Digit

### BCD Remote Display

- BN-35BCD .....Remote BCD Display 3.5-Digit
- BN-40BCD .....Remote BCD Display 4-Digit

Meter below, AC/DC auto sensing isolated power supply 85 to 256 VAC/90 to 380 VDC power supply. 0.3" standard red or optional green or super bright red LED display.

### Dual AC Volts and Hertz, Signal Powered

- DD-40VHZ.....3.5-Digit, 0.3" LED Display



## MU-SERIES 1/32 DIN (48 x 24 mm) METERS

AC/DC auto sensing isolated power supply 12 to 24 VAC/9 to 36 VDC power supply. 0.3" standard red or optional green or super bright red LED display.

- MU-35 .....DC Volts Selectable from 2V/20V/200V
- MU-35MV .....DC mV Selectable from 50 mV/100 mV/200 mV
- MU-35CL .....Process 4 to 20 mA



## UM-SERIES—NEMA CASE LOW-COST UTILITY METERS

Standard user selectable 100/120 VAC or 200/240V AC power supply, optn. 24 VAC, or auto sensing isolated AC/DC 9 to 24 VAC, 12 to 36 VDC. 0.56" std. red or optn. 0.8" std. red (3.5-digit and UM-40AC only) or green or super bright red LED display.

### AC Current

- UM-35ACI.....AC Amps, Average, 1A or 5A, 3.5-Digit Display

### AC Voltage

- UM-35AC .....700 VAC and 199.9 VAC Full Scale, 3.5-Digit Display
- UM-40AC .....700.0 VAC FS, 0.1V Resolution, 4-Digit Display

### AC Line Frequency

- UM-35HZ .....40 Hz to 199.9 Hz or 40 Hz to 500 Hz, 3.5-Digit

### DC Voltage

- UM-35.....±2/20 VDC or Optionally ±2/200 VDC, 3.5-Digit
- UM-35MV .....±50 mV and ±00 mV Inputs to Suit External DC Current Shunts, 3.5-Digit
- UM-45.....±2/20 VDC or Optionally ±2/200 VDC, 4.5-Digit
- UM-45MV .....±50 mV, ±100 mV, or ±200 mV Inputs to Suit Standard DC Current Shunts, 4.5-Digit

### Process 4 to 20 mA

- UM-35CL .....1.4V Loop Drop, Scalable in Engineering Units from -1999 to +1999, 3.5-Digit
- UM-35CLE .....Built-In 24 VDC Loop Excitation
- UM-45CL .....4.5-Digit Version of UM-35CL as Above

### Pressure

- UM-35P .....For Pressure Transducers with 2 mV/V to 20 mV/V Outputs with 5 VDC Exc., 3.5-Digit

### Thermocouple, 3.5-Digit

- UM-35J .....Designed for J Thermocouple Input, 1° Resolution
- UM-35K .....Designed for K Thermocouple Input, 1° Resolution
- UM-35RTD .....3-Wire, 100-Ohm RTD, 0.1° or 1° Resolution



Optional 0.8" display



DIGITAL METERS

Continued on next page

## Texmate Application-Specific Meters

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### MINI-METER DVM-5 SERIES, 1.378 x 0.5 x 1.375" CASE



#### Loop-Powered, Process 4 to 20 mA

DVM-5/CL .....3.5-Digits, 0.276" LED Display

#### Volt and RTD, 5 VDC Power

DVM-5 .....200 mV to 200 VDC, 0.276" LED Display  
DVM-5/RTD .....RTD Sensor Input, 0.276" LED Display

### SM SERIES 3-WIRE DC INPUT



#### 20 mV to 2 VDC, 3.5-Digit LED/LCD, 5 VDC Power

SM-35 .....2 to 20 VDC, 0.56" LED, Display Hold  
SM-35X .....2 to 20 VDC, 0.48" LCD, Display Hold  
SM-35MV .....20 mV to 2 VDC LED Constant Current 5 VDC  
Power Supply Eliminates Ground Loop Problems  
SM-35XMV .....20 mV to 2 VDC LCD Constant Current 5 VDC  
Power Supply Eliminates Ground Loop Problems

### SLIM-BEZEL CASE LED AND LCD MINIATURE METERS



#### Loop-Powered, Process 4 to 20 mA, 0.48" LCD

CM-35XTL .....Less than 1 VDC Loop Drop and 1 Joule Energy Storage. Fully Scalable  
CM-35XT .....Economical Standard 6.5V Loop Drop



#### DC and AC 2-Wire Signal-Powered, 0.48" LCD

SP-35X .....±3.5 VDC to 199.9 VDC  
SP-35XRMS .....AC or DC 15.0V to 199.9V and 15.0V to 250V  
SP-35XMV .....50 mV shunt/10 to 100 VDC Power



#### Low Cost DC Bargraph, 5 VDC Power

AM-20 .....20 Segment, 200 mV to 200 VDC, 5 VDC Power



#### DC Volts, 4.5 Digit LED/LCD, 5 VDC Power

PM-45X/45XU .....200 mV to 1200V BCD Output Option  
PM-45L .....200 mV to 1200 VDC and BCD Output Option



#### J and K Thermocouple Meters LED/LCD

Differential Input Configuration Allows Several Meters to be Operated with Grounded Thermocouples from the same 5VDC Power Supply.



TM35JC .....Type J, °C, LED display  
TM35JF .....Type J, °F, LED display  
TM35KC .....Type K, °C, LED display  
TM35KF .....Type K, °F, LED display  
TM35JC .....Type J, °C, LCD display  
TM35JF .....Type J, °F, LCD display  
TM35KC .....Type K, °C, LCD display  
TM35KF .....Type K, °F, LCD display

### RP AND PM SERIES METERS



#### DC Input, 110/230 VAC Power

RP-35U .....Economy DC inputs, 3.5-Digit, 0.56" LED Display  
RP-35A .....Precision Differential DC Input, 3.5-Digit, 0.56" LED  
RP-35AR .....Auto Dual Ranging, 3.5-Digit, 0.56" LED Display  
RP-3500 .....Single Ended Input 3.5-Digit, 0.56" LED Display  
RP-3500D2 .....3.5-Digit Differential Input with Optional BCD  
RP-4500 .....Single Ended Input 4.5-Digit, 0.56" LED Display  
RP-4500D2 .....4.5-Digit Differential Input with Optional BCD



#### DC Input, 5 VDC Power

PM-35U .....Low Cost, 3.5-Digit, 0.3" LED Display  
PM-35A .....Differential Inputs, 3.5-Digit, 0.56" LED Display  
PM-35AR .....Auto Range, 3.5-Digit, 0.56" LED Display  
PM-35X .....Low Power, 3.5-Digit, 0.48" LCD Display  
PM-35XAC110 .....DC Input 110/220 VAC Power, 0.48" LCD Display  
PM-45 .....Single Ended 4.5-Digit, 0.3" LED Display



### SD-SERIES 1/8 DIN (96 x 48 mm) ULTRA SHORT-DEPTH

Only 1.2" depth behind panel, including connectors.

#### DC Voltage

SD-35 .....3.5-Digit, 0.56" standard red LEDs (optional green or super bright red). 2/20/200/Custom DCV ranges, 5VDC power. Pin compatible with Asahi AP-501.



#### 4-20mA Loop Powered

SD-50X .....5-Digit 0.5" LCD. 3.5-27.5mA input span, -19999 to 30000 count display. 6th digit displays F, C, inactive 0 or blank.



### AM-SERIES 1/16 DIN (96 x 24 mm) SHORT-DEPTH BARGRAPHS

5 VDC power supply. 30 segment standard red or optional green or amber LED display.

#### Selectable Process 4 to 20 mA or DC Voltage

AM-30 .....6 Header Selectable DC Ranges Plus 4 to 20 mA  
AM-30R1 .....6 DC + 4 to 20 mA w/One 2A/120 VAC Relay  
AM-30R2 .....6 DC + 4 to 20 mA w/Two 2A/120 VAC Relays



### LOOP POWERED LED BARGRAPH

1/16 DIN 96x24mm, 31 segment red or green LEDs. Only 4V loop drop, 3" behind panel.

Available in horizontal or vertical orientation



SB-831 .....4-20mA Loop Powered Bargraph

### SLIM BEZEL CASE COUNTERS & TOTALIZERS



PC-45 ..... 4.5-Digit, 5V DC Power, LED  
PC-45X ..... 4.5-Digit, 5V DC Power, 0.48" LCD  
PC-45XCA .....4.5-Digit, 110VAC Power, 0.48" LCD



### TACHOMETERS & LINESPEED METERS



90-260VAC Powered, 72x36mm Case  
LT-30 .....3-Digit, 0.8" LED Tachometer  
LT-40 .....4-Digit, 0.56" LED Tachometer  
LT-50 .....5-Digit, 0.56" LED Tachometer  
LT-T30 .....3-Digit, 0.8" LED Linespeed/Tachometer  
LT-T40 .....4-Digit, 0.56" LED Linespeed/Tachometer  
LT-T50 .....5-Digit, 0.56" LED Linespeed/Tachometer

### ACCESSORIES

OP-N4X/96x48 .....NEMA-4X Clear, Lockable Dust & Waterproof Cover (for DU & SD series only)  
OP-PSA/96x48 .....NEMA-4X Panel to Case Seal Adapter  
PS-2405 .....120V AC Adapter, 24VDC @ 0.5A  
PS-520 .....120V AC Adapter, 5VDC @ 2A