

# Trask Digital Counter Panel Meter

For Frequency or Pulse Type Inputs



**IN STOCK  
ITEM**

## STANDARD FEATURES

- Simple setup using front panel or computer
- Fast control response
- True peak readings
- Measure rate and total simultaneously
- 2 channel pulse or AC input
- Voltage-to-frequency converter for rate and total
- Quadrature X, Y, Z inputs for differential or single-ended encoders
- Scalable in any Engineering Units
- Worldwide power 85-264 Vac and 90-370 Vdc
- 5, 10, or 24 Vdc output to power sensors/Trans.

## OPTIONAL FEATURES

- RS232, RS485, or USB, Ethernet
- Dual/Quad setpoint output card
- Isolated and linearized analog outputs, 16 bit
- Low voltage power supply, 8-28Vac, 9-37Vdc

## FUNCTIONS

- |                 |                         |
|-----------------|-------------------------|
| • Frequency     | • Integrating Totalizer |
| • Period        | • Up/Down totalizer     |
| • Rate          | • Ratio                 |
| • Total         | • A+B, A-B, A*B, A/B    |
| • Time Interval | • Draw                  |
| • Stop Watch    | • Batching              |
| • Phase Angle   | • Quadrature            |
| • Square Root   | • Custom Curves         |

## Input Types:

### • FR Input Option Card:

Inputs from NPN or PNP proximity switches, contact closures, digital logic, magnetic pickups down to 12 mV, or AC inputs up to 250 Vac

### • VF Input Option: (Analog input card)

0-10Vdc, 0-1mA, 4-20mA

### • QD Input Option card:

Differential or single ended inputs from Quadrature encoders.

## SPECIFICATIONS

### Display

- Type: 6-digit LED, 7-segment, 14.2mm (.56") high digits and 4 LED indicators
- Color: Red or Green
- Range: -999999 to +999999

### Conversion Period

- Technique (frequency): 1/period time
- Rate: Gate Time + 30ms + 2 periods
- Gate Time: Selectable 0 to 199.99 sec.

### FR Option; (Accuracy at 25 deg C)

- Inputs: AC or Pulses from NPN, PNP transistors, contact closures, magnetic pickups, etc.
- Channel A: 0 to 1 mHz
- Channel B: 0 to 250 kHz
- Time Base (crystal): Calibrated to  $\pm 2$ PPM
- Span Tempo:  $\pm 1$ PPM/ $^{\circ}$ C (typical)
- Long Term Drift:  $\pm 5$ PPM/year

### VF Option

- Inputs: 4 to 20mA, 0 to 10Vdc, 0 to 1mA,
- Span Error: 0.015%FS  $\pm 1$ Ct.
- Span Tempco: 0.003%R/ $^{\circ}$ C
- Zero Tempco: 0.001FS/ $^{\circ}$ C

### QD Option

- Inputs: Differential or single ended inputs from quadrature encoders. Input to 200kHz
- Error: No error contributed by meter CMV (DC to 60Hz) Safety rated to 250Vdc

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## Environmental

- Operating Temperature: 0 to 60°C
- Storage Temperature: -40 to 85°C
- Relative Humidity: 95% at 40°C
- NEMA 4X (IP65) when mounted in panel

## Operating Power

- Voltage (std.): 85 to 264Vac, 90 to 370Vdc, 5 watts
- Voltage (opt.): 8 to 28Vac, 9 to 37Vdc, 5 watts
- Frequency: DC and 47 to 63Hz

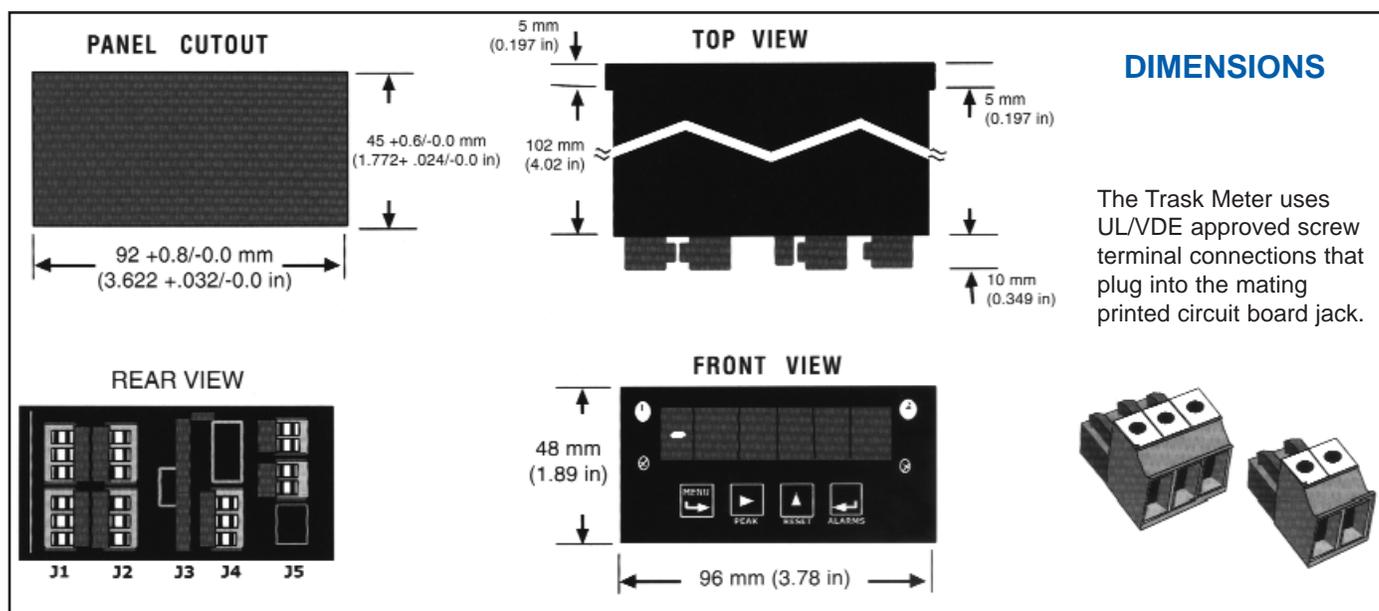
## Excitation Power Supplies

- Outputs: 5 Vdc, 5%, 100mA max.  
10Vdc, 5%, 120mA max.  
24Vdc, 5%, 50mA max.

## OPTIONAL OUTPUT CAPABILITY:

- Dual 8 AMP Relay Alarm Board, Form c
- Four 8 Amp Relay Alarm Board, Form A
- Open Collector Outputs
- Isolated RS232/485, Modbus RS485, USB, USB to RS485, Ethernet, Ethernet to RS485 Computer Interface
- Isolated Analog Outputs 0-20 mA, 4-20 mA, 0 to 10 Vdc and 0-5 Vdc. 16 Bit resolution. Scaleable for engineering Units.

**SEE MANUAL FOR DETAILS.**



## Meter Enclosure Options to simplify your meter installation.

One, two, three or four meter models available. Structural foam molded Thermoplastic, Clear Polycarbonate cover. Bezel precut for meter mounting.



	Model #	H x W x D
Single Meter	PN: PDA2407	9.9 x 6.5 x 6.7 (251 x 165 x 170)
Two meters	PN: PDA2408	
Three meters	PN: PDA2409	13.9 x 8.5 x 6.7 (352 x 216 x 170)
Four meters	PN: PDA2410	

Call today for up-to-date product prices.



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