



# TACHOMETER MODEL 618000 618131 618231

The Model 618000 converts input frequencies to a variety of outputs including 4 to 20 mADC or 0 to 5 VDC. The Tachometer is packaged in a DIN rail mount enclosure for simple snap-on installation. The 618000 can be ordered with or without alarms. The alarms may be used for open input, open output or set to trigger at any frequency. The alarms can be reset automatically, locally or remotely.

## MODEL 618 SERIES DIN RAIL MOUNT TACHOMETER

### TECHNICAL SPECIFICATIONS

#### POWER

24 VDC  $\pm$  10% @ 100 mADC

#### INPUT RANGE:

0 to 50kHz, 75mVp to 50Vp  
Input may be non-zero based  
Input span can be less than 2 Hz , consult factory

#### OUTPUT:

DIP switch selectable:  
4 to 20 mADC, 0 to 20 mADC  
0 to 24 mADC, 0 to 5 VDC

#### ALARMS (Models 618131, 618231 only)

Each alarm has normally closed and normally open contacts. Non-CSA Ratings:  
30 VDC @ 2 ADC, 125 VAC @ 500 mAAC  
CSA Ratings: 24 VDC @ 120 mADC

#### 3 WAY ISOLATION:

1800 Vp

#### ACCURACY:

$\pm$  0.1% Typical @ 77 °F

#### AMBIENT TEMPERATURE:

-40 °F to +140 °F

#### TEMPERATURE DRIFT:

$\pm$  0.01% of Span / °F, Typical

#### ENCLOSURE:

Polyamide PA non-reinforced  
Inflammability class V0 (UL94)

#### FEATURES

- Mounts on 35mm DIN Rail
- Floating Output
- LED Indicators for Power and Alarms
- Removable Polarized Connectors
- CERTIFIED FOR USE IN  
CLASS I DIV. II, GROUPS A,B,C,D,T4  
CLASS I, ZONE 2, GROUP IIC T4



#### \*Options:

618000 No Alarms  
618131 1 Alarm, 1 Open Circuit Detection  
(shown in picture)  
618231 2 Alarms

#### To order:

*Specify model number, input, output, and alarm set point. Example:*

*Model: 618131  
Input: 0 to 6 kHz  
Output: 4 to 20 mADC  
Alarm 1: 4 kHz set-point  
Feature: Input open circuit detection*

\*Pulse outputs are also available; contact the factory for other options.

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