

# Hourmeters

## TM Series

The TM Series hourmeters record the operating time of vehicles or powered equipment. They are electromechanical and have a quartz base time counter that ensures accuracy (better than  $\pm 0.02\%$  over the entire range). They can record up to 99,999.9 hours and include an automatic recycle to zero hours feature. The TM Series models have a shock-proof and tamper-proof, totally sealed case made of an engineered plastic. These small, lightweight time meters are rugged and durable. They are the answer to applications requiring a low DC power and reliable hourmeter.

These hourmeters can be used on any engine where operating time needs to be recorded. All it requires is a DC power source (refer to Specifications).



\* Products covered by this bulletin conform with European Council electromagnetic compatibility directive 89/336/EEC, except as noted.

### Outstanding Features

- Solid-State Electronic Drive Circuit
- Quartz-Crystal for Accurate Timing
- Quiet Operation – Permanently Lubricated
- High-Impact, Tamper-proof Plastic Case
- Sealed Against Moisture and Dirt
- Indicates Operating Time in Hours and Tenths
- No Battery Back Up Required
- Made in the U.S.A.

### Specifications

**Power Input:** 12 to 24 VDC

**Power Consumption:** Less than 0.03 W @ 12 VDC; 0.4 W @ 24 VDC

**Accuracy:**  $\pm 0.02\%$  over entire range

**Temperature Range:** -40° to 185°F (-40° to +85°C)

**Dial (Face Plate):** White numerals (over black background)

**Time Scale:** 6-digits 99,999.9 hours (automatic recycle to zero)

**Vibration Resistance:** Withstands 10 to 75 Hz @ 1 to 8 Gs

**Case Material:** Plastic

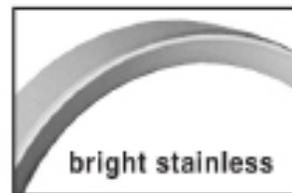
**Bezel:** Stainless Steel

**Terminations:** 1/4 in. (6 mm) male blade terminals

**Shipping Weight:** 5 oz. (140 g)

**Shipping Dimensions:** 3-1/8 x 3 x 3 in. (79 x 76 x 76 mm) approx.

### Available Bezels

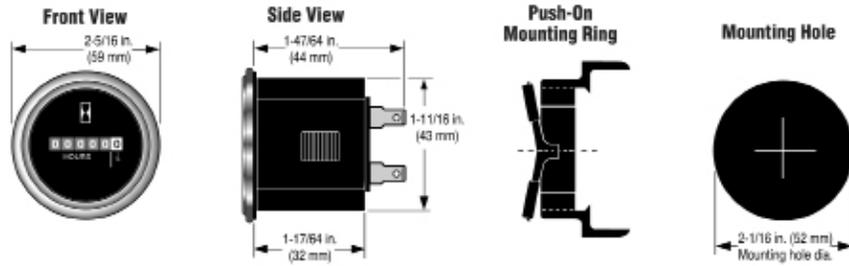


### Basic Models

#### 6-Digits Hourmeters

Model	Bezel Type
TM4592	Bright Stainless Steel Bezel
TM4593	Black Stainless Steel Bezel
TM4594	SAE Bright Stainless Steel Bezel
TM4595	SAE Stainless Steel Black Bezel

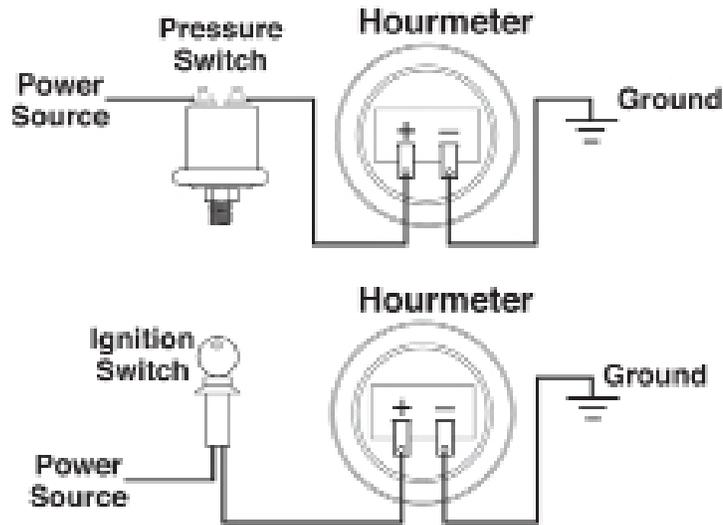
## Dimensions



## Typical Wiring Diagram



**WARNING:**  
Turn the power source OFF before wiring.



## How to Order

Part Number	Model and Description	Notes
20700192	TM4592 6 digits w/Bright Stainless Steel Bezel	Bezel
20700193	TM4593 6 digits w/Black Stainless Steel Bezel	
20700194	TM4594 6 digits w/SAE Bright Stainless Steel Bezel	
20700195	TM4595 6 digits w/SAE Stainless Steel Black Bezel	