

# 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).



TM4594 Model

\* 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:**  $-40^{\circ}$  to  $185^{\circ}\text{F}$  ( $-40^{\circ}$  to  $+85^{\circ}\text{C}$ )

**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

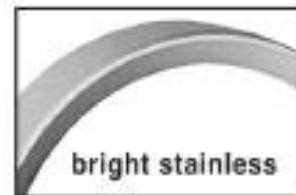
**Bezel:** Stainless Steel

**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



bright stainless



black stainless



bright SAE



black SAE

## Basic Models

### 6-Digits Hourmeters

#### Model Bezel Type

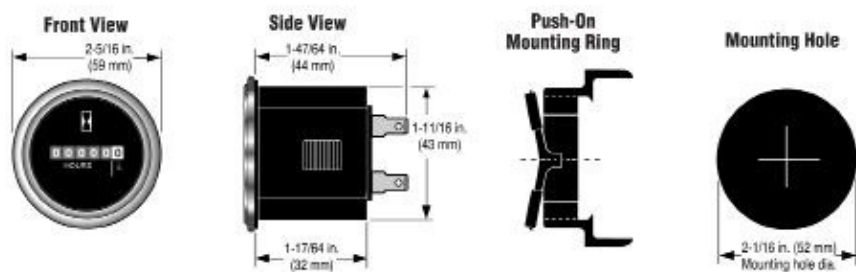
TM4592 Bright Stainless Steel Bezel

TM4593 Black Stainless Steel Bezel

TM4594 SAE Bright Stainless Steel Bezel

TM4595 SAE Stainless Steel Black Bezel

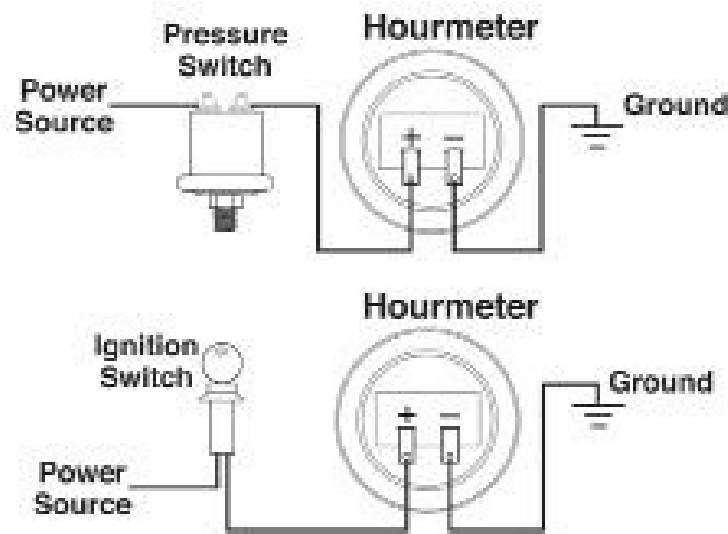
Dimensions



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  |       |

SALES CONTACT



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