

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 (9,999.9 for TM612/624) 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. The TM612/624 model includes a three-hole mounting shock ring for extreme shock protection.

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).

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:

TM4592-95 models: 6-digits 99,999.9 hours

TM612/624 models: 5-digits 9,999.9 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

TM4592/4595 Shipping Weight: 5 oz. (140 g)

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

TM612/624 Shipping Weight: 8 oz. (230 g)

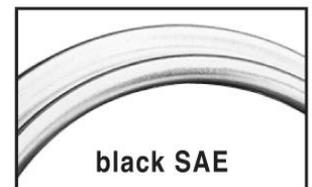
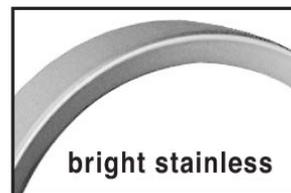
TM612/624 Shipping Dimensions: 5 x 5 x 3-1/4 in. (127 x 127 x 83 mm) approximately



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

The CE mark does not apply to the TM612 and TM624 models

Available Bezels



Basic Models

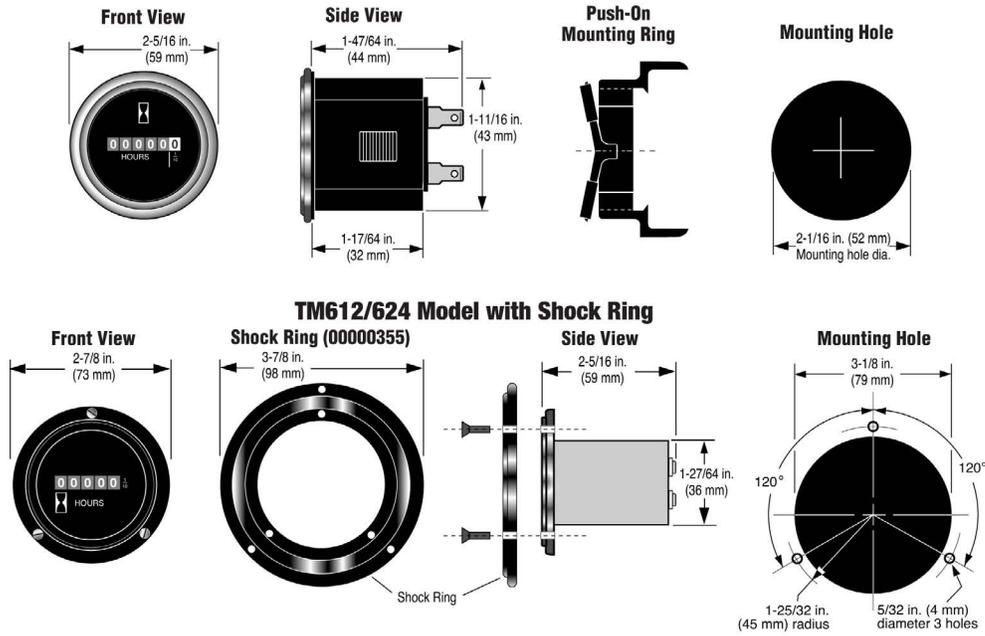
6-Digits Hourmeters

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

5-Digits Hourmeter with Shock Ring Mounting

TM612/624	3-Hole Mount, Black Bezel
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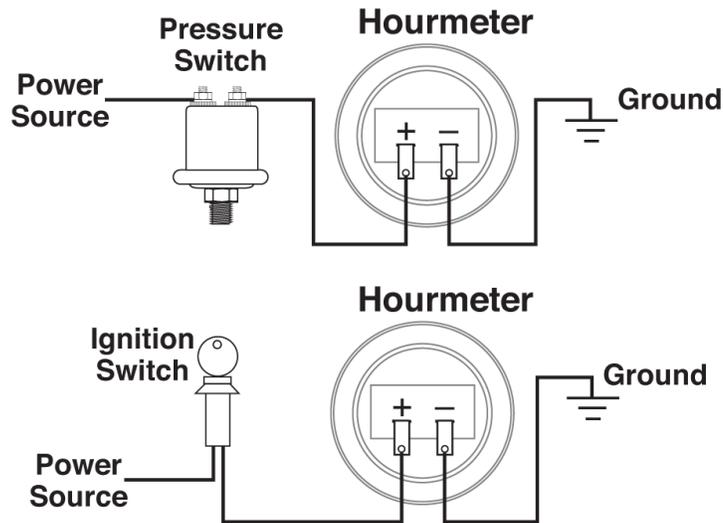
Dimensions



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	
20700144	TM612/624 5 digits w/Shock Ring Mount Black Bezel	
00000355	Shock Ring only for TM612/624	Shock Ring