TLT

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TRAILER LIGHT TESTER

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Trailer Light Tester Selection: Quick Guide

Trailer Light Tester Comparison: *Basic vs. Professional vs. Mini Toggle (ECON)*

The basic trailer light tester has the same testing capabilities and functionalities as the professional and the Mini Toggle (ECON) trailer light tester, but without the built-in battery and charger. The testing requires a separate battery, which you must supply.

The professional tester remains the most popular and best-selling option, featuring a durable built-in 12V, 7.2AH battery and a fully automatic charger.

The Mini Toggle (ECON) trailer light tester, a new 2025 model, is designed to be both economical and ideal for DIY trailer or caravan owners. It features:

- A built-in 12V, 1.4AH battery and a fully automatic charger
- Compatibility with up to three 12V, 1.4AH batteries, allowing the capacity to be increased to 4.2AH if needed

This model is set to replace the professional tester as LED technology, which requires less power than traditional light globes, becomes the standard. Consequently, a high battery capacity is no longer necessary.

These three testers are specifically designed for light vehicle trailers and caravans. While they can also be used to test truck trailers and interlink trailers, their limitations will be detailed below.

Trailer Light Tester Comparison: *Mini Remote vs. Professional*

Comparing the Mini remote control trailer light tester to the Professional tester, the following are some of its key features:

- The tester will read the voltage, ampere, power, accumulated electric energy, and remaining capacity of its battery
- The built-in ammeter has a high-accuracy design. This makes it simple to diagnose any electrical shorts quickly and efficiently
- It has a full-angle LCD screen for clearly displaying information day or night, indoors or outdoors, even under direct sunlight
- Built-in flashing indicator device
- Hazards to assist with roadside breakdowns
- Select between flashing or non-flashing indicators. This is ideal when testing the indicator circuit(s) for shorts
- Parking brake, ABS, fog light, reversing light, and auxiliary wire check and test (mainly used overseas, but will be nice to have when needed)
- More compact design for convenience and ease of use in general

Technicians working on truck trailers and interlink trailers can benefit from the design of the Mini remote-control tester. Although an ammeter can be connected to the Basic, Professional, and Mini Toggle (ECON) testers, the remote-control tester comes with a built-in ammeter, which is an absolute must-have for checking and testing shorted wires on interlink trailers. The indicator flashing device, which also serves as a hazard warning, is an important safety feature when working on breakdowns.

This is just a quick guide to help you choose the right trailer light tester. Please review and decide if you need all the added features, as many truck companies do use our basic and professional testers.

	Basic TLT	Professional TLT	Mini Toggle (ECON) TLT	Mini Remote TLT
Built-in battery	NO	12V 7.2AH	12V 1.4AH	12V 4.2AH
Battery charger	NO	12V 7A	12V 7A	12V 7A
Can connect to external battery	YES | 12V/24V	YES | 12V/24V	NO	NO
Operate on 12V	YES	YES	YES	YES
Operate on 24V	YES	YES	NO (refer astrix section below)	NO (refer astrix section below)
Max output	20A	20A	30A	30A
Flash indicators	NO	NO	NO	YES
Non flashing indicators	YES	YES	YES	YES
Auxiliary Wire	CHECK ONLY	CHECK ONLY	CHECK ONLY	CHECK & TEST (refer astrix section below)
Standard bulb lights check and test	YES	YES	YES	YES
LED lights check and test	YES	YES	YES	YES
Male tow socket test on trailer	YES	YES	YES	YES
Female tow socket test on vehicle	NO	NO	NO	NO
Perform load test on all light circuits	YES	YES	YES	YES
Short circuit test	YES (refer astrix section below)	YES (refer astrix section below)	YES (refer astrix section below)	YES
Voltage meter	YES	YES	YES	YES
Ampere meter	NO (refer astrix section below)	NO (refer astrix section below)	NO (refer astrix section below)	YES
Monitor battery charge	NO	YES	YES	YES
Output terminal posts	NO	YES | 12V/24V	YES | 12V ONLY	YES | 12V ONLY
Meter display	LED | GREEN / BLUE	LED | GREEN / BLUE	LED | GREEN / BLUE	LCD WITH BLUE BACK-LIGHT ON OR OFF

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(Operate on 24V)
With LED technology, twenty-four-volt power is no longer necessary to test the lights of the truck trailer unless the trailer still uses twenty-four-volt globes. These LED lights are multi-voltage, which means they are compatible with twelve-volt (12 V) and twenty-four-volt (24 V).

(Auxiliary Wire)
This added option is for trailers or caravans (mostly oversees) that have an electronic parking brake, an automatic brake system, fog lights,reversing lights, or a fridge installed and connected to this wire.

(Short circuit test)
Depending on the length and size of the electrical cable, the resistance also increases, and the tester fuse (7.5 A) may not always blow immediately or at all because the electrons have to travel further through the cable. Please refer to the user guide for instructions on connecting an ammeter to the basic, professional, and mini toggle (econ) trailer light tester.

(Ampere meter)
The basic, professional, and mini toggle (econ) trailer light testers don't have a built-in ammeter, but you can connect a multimeter or ammeter with a maximum rating of at least 30A. For detailed instructions, refer to the user guide.