



## HEADLIGHT TESTER

MODEL: MLT 3000



**A Digital Headlight Tester with the Capability to Test the World's Most Innovative Headlight Systems.**

- ◆ Quick and accurately tests headlights and on-board camera adjustments.
- ◆ Electronically controlled data collection and computing.
- ◆ Compatible with current and upcoming headlight technology.
- ◆ User-friendly LCD menu makes operating a breeze.
- ◆ Built-in automatic leveling feature prevents false readings.



### Quality Features

The MLT 3000 boasts numerous features. For example, the tester's rechargeable battery supplies enough power to provide up to ten hours of uninterrupted work. The battery has been integrated into the foot of the unit to reduce the weight of the light box. The unit is also more stable as its center of gravity is now lower.



### Dependable Precision Guide Pillar

The MLT 3000 is equipped with a non-wearing precision guide pillar. Ball-bearing mounted guide rollers on the vertical guidance of the light box make it virtually maintenance-free and smooth-running. A counterweight integrated into the guide pillar allows the light box to effortlessly position at head lamp height.



### Exact Measurements

Lighting systems with variable cut-off lines and high-luminescent light sources are setting new standards for headlight testers. Often, it is necessary to determine and assess the contours and positions of cut-off lines individually. Light sources such as Xenon and LED also form a pronounced blue fringe in the cut-off line area, which makes assessment even more difficult. The MLT 3000 digitally measures values, providing precise and objective results.

## TECHNICAL DATA

Application Range	Testable Headlamp Types	Paraboid, projection system and free field
	Testable Light Sources	Bilux, Halogen, XENON and LED
	Above	Hotspot 0 – 31" / 10 m (0 – 8 %) Pitch Angle 0 – 11.8" / 10 m (0 – 3 %)
	Below	0 – 37.5" / 10 m (0 – 7 %)
	Left	0 – 39" / 10 m (0 – 10%)
	Right	0 – 39" / 10 m (0 – 10 %)
Measuring Range	Height of Light Center	9.4" – 59"
	Measuring Distance	3.93" – 19.7"
Intensity	Luminous	0 – 125.000 cd (Candela)
	Illuminance	0–200 lx (lux)
Error of Margins	Intensity	+/- 5%
	Deviation from an Axis	+/- 5'
Working Range	Temperature	+41°F – +104°F
	Relative Humidity	20–80%
	Power Supply	100 – 240 V, 50/60 Hz AC / 12V DC

**Requirements:** The inclination\* of the base surfaces for the headlight tester and for the vehicle should not exceed 1.5%. The difference between the inclination of the left and right driving surface must be no greater than 0.5%. In particular, the surfaces must not slope in opposite directions. At all other measurement points of the driving surfaces, the unevenness\* should not exceed 3 mm/m.

\* The inclination of the test area corresponds to how much the test area tilts away from the horizontal base line, expressed as an angle. Unevenness are height deviations with regard to the line of inclination, measured at various points.

### Electronic Leveling

The highlight of the MLT 3000 is the electronic leveling for uneven floors. Uneven base surfaces can greatly impair measurements in headlight testing. Even a few millimetres of deviation can result in a faulty assessment of the cut-off line. To prevent these types of incorrect measurements, the MLT 3000 has an integrated position sensor that determines the unit's angle of inclination. The MLT 3000 software uses this information to automatically compensate for any horizontal deviations.



### Simple to Operate

To improve user-friendliness, the MLT 3000 operates with self-explanatory buttons on a 7" touch screen. To allow adjusting headlights with ease, a second display is provided on the front of the unit. This display uses an LED scale to show the user the horizontal and vertical position of the cut-off line/inflection point. This means that the user can quickly adjust the headlights without directly looking at the screen of the unit.

### Compatible for Future Updates

Vehicle manufacturers will continue to introduce new headlight technology in the future, continual software updates to the MLT 3000 is a necessity. Required updates are conveniently available for download on the MAHA website. These updates can be installed directly from a PC network quickly and easily via a web interface. This makes the MLT 3000 a future-proof investment.

## GLOBAL PLAYER

... in more than 150 countries worldwide

### Subsidiaries

Australia	France	New Zealand	Spain
Canada	India	Poland	South Africa
Chile	Ireland	Russia	UK
China	Japan	Singapore	USA
			UAE
			Vietnam



**1-866-624-2872**  
www.maha-usa.com

Follow Us:   

MAHA USA

2404 E. Hwy 134 | Pinckard, AL 36371 | sales@maha-usa.com



**MAHA  
EQUIPMENT  
FINANCE**

More Ways to Help You Buy:  
www.maha-usa.com/finance.htm