HEADLIGHT TESTER

MODEL: MLT 1000 MB

Analogue measurement technology with precision in accordance with Daimler AG specifications

- Rapid and precise testing of headlight alignment
- User-friendly, intuitive operation
- High-precision measurements thanks to the use of a premium-quality guide column
- Precision column can be locked with fixing screws
- Removable colour filter behind Fresnel lens

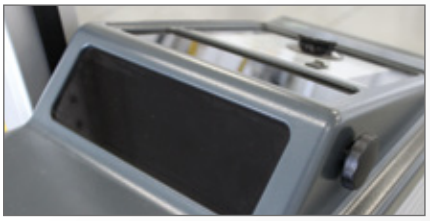
FUNCTIONS

Correct headlight alignment for increased safety on the road
Correct headlight alignment ensures good vision at night while preventing oncoming traffic from being dazzled. To determine the headlight alignment accurately, a headlight tester that works with precision is indispensable. The headlight tester MLT 1000 MB is the tester of choice for Daimler contractors.

MLT 1000 MB – analogue headlight testing of the highest standards

- **User-friendly operation**
  The well-organised device structure guarantees simple and intuitive use.
- **Robust, no-maintenance design**
  A tried-and-tested device design with non-wearing precision guide column promises a long service life, even for high-frequency use.
- **Ergonomic handling**
  A counterweight has been integrated into the column to allow the measurement housing to be lowered and raised with one hand in a smooth gliding movement, supported by a ball bearing.
- **Easy to position in front of vehicle**
  The large Fresnel lens enables the unit to be positioned in front of the headlights correctly and with ease. The procedure patented by Daimler AG for positioning the vehicle by means of an approach line eliminates the need to align the device to the vehicle's longitudinal axis
- **Specific features**
  The removable colour filter makes it possible to determine both the cut-off line and the intensity reliably.
  Daimler AG adjustment targets can be affixed to the ferromagnetic surface of the extended column. Additionally, the column can be locked with fixing screws once it has been aligned to the approach marking.

The colour filter should be used in accordance with manufacturer specifications, regardless of the headlight type being tested.
The filter makes it easier to determine the cut-off line in the case of pronounced diffusion.
The colour filter can be removed by its hand grip to measure the light intensity.



The headlights are aligned via the projection screen that is visible from the side of the vehicle. Border lines printed on the screen are used to compare the actual value with the target value and facilitate alignment. A deflection mirror makes the headlight projection visible from the front of the unit as well.

TECHNICAL DATA

Measuring range	Bottom	0–600 mm / 10 m (0–6%)
	Left	0–1000 mm / 10 m (0–10%)
	Right	0–1000 mm / 10 m (0–10%)
	Height of luminous centre	240–2000 mm
	Measuring distance	100–500 mm
Intensity	Luminous intensity	0–40000 cd (candela)
	Illuminance	0–64 lx (lux)
Work area	Temperature	+5 °C – +40 °C
	Relative humidity	20–80%
Dimensions (W x H x D)		655 x 2240 x 720 mm
Weight		65 kg

Mechanical height adjustment enables the projection screen to be moved vertically in the housing. The hand wheel fitted with a scale can be used to preset the required inclination angle for the headlight.

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