



HEADLIGHT TESTING

## Headlight testing device MLD 110 | for Mercedes-Benz

Beissbarth MLD 110 Mercedes-Benz - Headlight testing system for Mercedes-Benz workshops

Article number: 1 692 104 334

## Description

### German Road Traffic Type-Approval Law StVZO § 29 general-inspection headlight-test directive: MLD 110 can be calibrated according to the legal requirements

- TÜV certificate in line with StVZO § 50 - TPN 2023-05-2208483: MLD 110 is TÜV-certified by prototype technical release examination in accordance with the directives for testing headlight adjustment/test equipment (German Road Traffic Type-Approval Law StVZO §50 paragraph 5).
- The alignment (leveling) of the MLD 110 on the testing bay corresponds to the latest requirements
- Two-dimensional spirit level for horizontal leveling of the optical box
- Levelable rail system for above- and inground installation is a mandatory accessory
- Levelable 3-Wheel base system

### Headlight testing with MLD 110 Mercedes-Benz: for Mercedes-Benz workshops

- Crosslaser for precise positioning
- Analogue system for all light sources (Xenon, Bi-Xenon, LED, Bi-LED, Halogen)
- All types of vehicles (passenger cars, trucks, motorcycles)
- All types of headlights (main headlights, fog lamps, auxiliary lamps)
- On required rail system. Rail system must be ordered separately
- Column and optical box constantly oriented 90° towards the roll-on markers
- Digital Luxmeter: 3 photo diodes within the test screen measure the intensity of the illumination, which is then displayed on the digital lux meter. This makes for easy identification of outdated or low-quality light sources.
- Universal aiming screen: MLD 110 test screen for both right-hand and left-hand traffic
- Two-dimensional spirit level for exact levelling

### Mercedes-Benz homologated alignment system

- Vehicle alignment by means of yellow 7-metre roll-on markers (for trucks: 9 m)
- Permanent fixation and precise alignment to the roll-on markers of the optical box
- Target column adapter for night vision assistants. Practical board fixture by means of a magnet. The target board itself is not included in scope of delivery.
- With colour filter attachment: LED1 color filter for LED headlights filters out the disrupting blue fringe in the area of the cut-off line and thus simplifies the visual assessment by the workshop technician.

Certificate: CE, TÜV

## Technical Data

|  |                  |
|--|------------------|
| Operating temperature                      | 5 - 45 °C        |
| Battery voltage (DC)                       | 9 V              |
| Height of light center                     | 250 - 1500 mm    |
| Measuring range lowest stand/highest stand | 0 - -400 mm      |
| Illumination                               | (25m) 0 - 240 lx |
| Humidity                                   | 20 - 80 %        |
| Storage temperature                        | -25 - 45 °C      |
| Version                                    | - analogue       |
| Packaging length                           | 650 mm           |
| Packaging width                            | 1790 mm          |

|                                      |                |
|--------------------------------------|----------------|
| Packaging height                     | 700 mm         |
| Gross weight                         | 40 kg          |
| Measuring range low beam left/right  | 300 - -300 mm  |
| Measuring range high beam left/right | 50 - -300 mm   |
| Relative humidity storage            | 20 - 80 %      |
| Relative humidity, use               | 30 - 60 %      |
| Laser class cross laser              | 3R             |
| Projection cross laser               | 90° x 0,4 mrad |
| Laser diode cross laser              | 635 nm         |
| Radiant power cross laser            | 5 mW           |
| Operating voltage cross laser        | 3 - 5 V (DC)   |

## Accessories

|               |                                     |
|---------------|-------------------------------------|
| 1 692 105 134 | Rail kit 3.3 m                      |
| 1 692 105 112 | Extension kit for rail kit   1.5 m  |
| 1 692 105 079 | Cover for headlight testing devices |