



DIGITAL

## Headlight testing device MLD 9000 | without inclinometer

Beissbarth MLD 9000 - Digital headlight measurement and adjustment

Article number: 1692104354

## Description

**New! Now included as standard: vehicle-specific light distribution patterns such as Ford Matrix, Skoda Matrix, or Skoda Kink!**

### Digital headlight testing with MLD 9000: intelligent, fast and precise

- Precise green alignment lasers for accurate alignment with the vehicle. Green laser diodes are particularly well visible to the human eye because the eye has its maximum spectral sensitivity in the green range
- Cross laser function for precise positioning in the center of the headlight
- For all light sources (Xenon, Bi-Xenon, LED, Bi-LED, Halogen) and glare-free high-beam systems (Dynamic Light Assist - DLA, Matrix1, HD-Matrix2, ILS Ford)
- All types of vehicles (passenger cars, trucks, motorcycles)
- All types of headlights (main headlights, fog lamps, auxiliary lamps)
- High-resolution (5 megapixel) CMOS camera for real-time digital image processing
- Measurement results in real time optimized with live images
- Comparison between measured and limit values and unambiguous red/green evaluation
- Saving and archiving of the measured values in database
- Reporting of the measurement result possible via PDF
- Time-saving quick measurement functionality
- Precise definition of the cut-off line without disrupting blue fringe
- Workshop-proof touch-screen display (7")
- Continuously swiveling display for a variety of applications (such as the MOT for testing or in the workshop for adjustment) and for adapting to the local lighting conditions
- Intuitive and simple user guidance
- Visual and acoustic signals support the measurement procedure
- Independent operation thanks to battery
- Measured values: Horizontal and vertical deviation (pitch angle), intensity, roll angle, yaw angle
- Ports: LAN, USB, RS232
- Live firmware update possible
- Optional PC software to display the measurement on the test lane PC

### Highest mechanical precision and long-life cycle (suitable for future legal requirements):

- A new developed torsion-free and specially hardened aluminum column
- Easy to use, robust sliding system for precise height adjustment and comfortable working
- Robust and durable counter weight system with toothed belt
- Determination of the headlight installation height via adjustable, specially made aluminum scale or use of the optional height measuring sensor
- Optional: fine adjustment of the column with 1 angle minute accuracy

### Networking: Test results via WLAN with quick and aptly arranged results on the PC

- Save measurement printouts in a network folder
- Mirror software on a PC



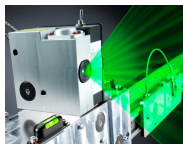
Certificate: CE, EMC, FCC, FDA

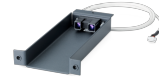
## Technical Data

Operating temperature	5 - 45 °C
Electrical connection	100 - 240 V   50 - 60 Hz
Battery voltage (DC)	12 V

Height of light center	240 - 1500 mm
Measuring range lowest stand/highest stand	800 - -800 mm
Light intensity	0 - 150000 cd
Illumination	(1m) 0 - 150000 / (25m) 0 - 240 lx
Storage temperature	-25 - 45 °C
Version	- Digital
Packaging length	1900 mm
Packaging width	700 mm
Packaging height	600 mm
Gross weight	63 kg
Measuring range low beam left/right	1000 - -1000 mm
Measuring range high beam left/right	1000 - -1000 mm
Relative humidity storage	20 - 80 %
Relative humidity, use	30 - 60 %
Radiant power alignment laser	2 mW
Operating voltage alignment laser	3 - 5 V (DC)
Projection alignment laser	130° x 0,4 mrad
Laser diode alignment laser	520 nm
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)
Weight	43 kg

## Accessories

1692105080	Rail kit 3 m	
1692105112	Extension kit for rail kit   1.5 m	
1692105201	Cover   MLD 9000	
1692105252	Alignment kit for alignment on the vehicle center line Ford requirement   for MLD 9000	
1690381124	P-Assist laser module for symmetry alignment	
1692105278	Height-messuring sensor   MLD 9000	



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1692105202 Yaw angle fine adjustment | MLD 9000

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1692105268 Printer | MLD 9000

