



HEADLIGHT TESTER

Headlight testing device MLD 815 | TESLA

Beissbarth MLD 815 for Tesla - Digital headlight measurement and adjustment

Article number: 1 692 104 344

German Road Traffic Type-Approval Law StVZO § 29 general-inspection headlight-test directive: MLD 815 can be calibrated according to the legal requirements

- TÜV certificate in line with StVZO § 50 - TPN 2023-05-2208484: MLD 815 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 815 on the testing bay corresponds to the latest requirements.
- Automatically compensates inclines of headlight tester of up to 2%
- Two-dimensional spirit level for horizontal leveling of the optical box
- Levelable 3-Wheel base system fitting for all common rail systems
- Levelable rail system for above and inground installation (3 m) as optional available accessory

Digital headlight testing with MLD 815: intelligent, fast and precise

- Cross- and alignment laser for precise positioning
- For all light sources (Xenon, Bi-Xenon, LED, Bi-LED, Halogen) and glare-free high-beam systems (Dynamic Light Assist - DLA, Matrix, ILS Ford)
- All types of vehicles (passenger cars, trucks, motorcycles)
- All types of headlights (main headlights, fog lamps, auxiliary lamps)
- CMOS camera for real-time digital image processing
- Built-in printer
- Measurement results in real time
- Comparison between measured and limit values and unambiguous red/green evaluation
- Precise definition of the cut-off line without disrupting blue fringe
- Digital LCD colour display (5.7") with 262,000 colours
- Touch-screen function (operation with gloves is possible)
- Intuitive and simple user guidance
- Visual and acoustic signals support the measurement procedure
- Menu featuring 7 languages
- Operating panel can be rotated by 180° for different areas of application (e.g. for general inspections or for the adjustment at the workshop)
- Independent operation thanks to battery - Storage battery Alignment laser: 3 x Mignon AA 1.5 V
- Measuring height (optical center): 24 - 145 cm
- Measured values: Horizontal and vertical deviation (pitch angle), intensity, roll angle, yaw angle
- Digital precision: +/- 1 cm on a 10-meter measuring distance

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

- Optional: visualization on the workshop computer
- Displaying of the cut-off line on the PC monitor or TFT screen
- Data transfer to PC via WLAN
- User interface simplifies intuitive use
- Database function
- Printing and archiving
- Adjustment of the colour scheme by the user: Light/dark background depending on the lighting conditions
- Workshop Network Connectivity: Supports Bosch Connected Repair, ASA Network Compatibility is guaranteed

Certificate: CE, TÜV, 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	250 - 1500 mm
Measuring range lowest stand/highest stand	600 - -600 mm
Light intensity	0 - 150000 cd
Illumination	(1m) 0 - 150000 / (25m) 0 - 240 lx
Storage temperature	-25 - 45 °C
Version	- Digital
Packaging length	650 mm
Packaging width	1790 mm
Packaging height	700 mm
Gross weight	40 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	5 mW
Operating voltage alignment laser	3 - 5 V (DC)
Laser class alignment laser	2
Projection alignment laser	130° x 0,4 mrad
Laser diode alignment laser	635 nm
Laser class cross laser	2
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

1692105080	Rail kit 3 m
1692105112	Extension kit for rail kit 1.5 m
1692105066	Height-messuring sensor for MLD 6xx and 8xx
1692105079	Cover for headlight testing devices
1692105180	Alignment kit for alignment on the vehicle center line Ford requirement for MLD 815
1692105145	PC Software lperform - Headlight
1692105269	Matrix 2 Upgrade for MLD 815
1692105288	Ford Matrix for MLD 815
1692105289	Skoda Function for MLD 815