

MLT 3000

HEADLIGHT TESTING TECHNOLOGY



MLT-SERIES

VP 185055

Headlight Tester

DESCRIPTION:

- ◆ Digital device for quick and objective testing and adjustment of vehicle headlights, taking into account statutory limits and OEM guidelines
- ◆ Electronic levelling system to compensate for unevenness in the floor at the headlight tester installation site
- ◆ 7" touch screen for menu navigation and display of measurement values
- ◆ High dynamic range CMOS camera for capturing and digitising the headlight projection
- ◆ Processor-supported unit control incl. flash memory
- ◆ Digital analysis with evaluation of results
- ◆ Optional interface for transmission of measurements to a PC
- ◆ Powerful battery for cable-free long-term use
- ◆ Robust construction, also suitable for test lanes
- ◆ Rotatable mirror for device alignment to vehicle
- ◆ Automatic latching of the light collecting box to the precision aluminium guide column facilitates handling and optimises reproducibility
- ◆ Extremely thin Fresnel lens made from material with optimised refractive index for suppressing blue and red fringing increases measurement accuracy significantly
- ◆ Large Fresnel lens for easy positioning in front of the headlights helps speed up the entire set-up process
- ◆ Anodised heat deflection sheet to prevent overheating as a result of direct sunlight even without use of the device covering hood
- ◆ Pre-configured as standard for use on optional guide rails so that equipment runs in straight line after alignment

TECHNICAL DATA:

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|---|-----------------------------------|
| Measurement range above hotspot | 0 - 800 mm / 10000 mm (0 - 8 %) |
| Measurement range above pitch angle | 0 - 300 mm / 10000 mm (0 - 3 %) |
| Measurement range below | 0 - 700 mm / 10000 mm (0 - 7 %) |
| Measurement range left | 0 - 1000 mm / 10000 mm (0 - 10 %) |
| Measurement range right | 0 - 1000 mm / 10000 mm (0 - 10 %) |
| Light intensity | 125000 cd |
| Illumination intensity | 200 lx |
| Measurement distance | 100 mm - 500 mm |
| Adjustment track Lens centre over floor | 240 mm - 1500 mm |
| Deviation of intensity +/- | 5 % |
| Deviation from an axle +/- | 5 ' " |
| Power supply | 1/N/PE 100 V/230 V 50 Hz/60 Hz |
| Power supply on-board voltage | 24 V DC |
| Ambient temperature | 5 °C - 40 °C |
| Relative humidity | 20 % - 80 % |
| Dimensions total (L x W x H) | 720 mm x 655 mm x 1770 mm |

ACCESSORIES:

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|-----------|--|
| VZ 990312 | PC cable connect. LITE 3/MLT 3000 f. test lane |
| VZ 990441 | PC Bluetooth Module MLT 3000 |
| VZ 910140 | USB/RS 232 converter for connection to PC |
| VZ 975229 | Rollers for Version without guide rails |
| VZ 975510 | Metal Rollers for vers. with half-round profile |
| VZ 930045 | Guide Rails Surface Mounted, for 1750 mm |
| VZ 930056 | Slide Track Extension 500 mm on floor |
| VZ 930055 | Guide Rails, Flush Floor, for 1750 mm |
| VZ 930057 | Slide Track Extension 500 mm below-floor |
| VZ 930094 | Half-rd. Profiled Slide Tracks stainless steel 4,8 m |
| VZ 930095 | Half-rd. Profiled Slide Tracks stainless steel 6 m |
| VP 990175 | Laser calibrating device LK 1 |
| VZ 990299 | Laser Aligner for Headlight Adjusting Device |
| VZ 990440 | Optical Adjustment Aid MLT 3000 |
| VZ 975787 | Alignment Bracket for Headlight Testers |
| VP 186050 | MCD 2000 (without electronics) |
| VZ 955273 | Printer Shelf for MCD 2000 |
| VZ 955274 | Side Shelf for MCD 2000 |
| VZ 955277 | External PC Storage Shelf for MCD 2000 |
| VW 997241 | Packing headlight adjusting device -Europe- |
| VW 997242 | Packing headlight adjusting device -overseas- |
| VW 997243 | Packing slide track (pre-delivery) -Europe- |
| VW 997244 | Pack. charg. slide track (pre-delivery) Overseas |