

# HEADLIGHT TESTING TECHNOLOGY

## HEADLIGHT TESTER

**MLT 3000**  
VP 185055



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The digital headlight alignment tester MLT 3000 serves for quick and reliable testing and adjustment of vehicle headlamps. It takes into account all legal limits and OEM specifications. Irregularities in the MLT 3000's installation area are corrected by electronic level compensation. The 7-inch touch screen ensures an intuitive menu navigation and a clear display of the measurement values.

### PRODUCT DETAILS/ACCESSORIES

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 our optional semicircular profile rail stainless steel, so that equipment runs in straight line after alignment

### TECHNICAL DATA

Measuring range:	
Above hotspot	0 - 800 mm/10 m (0-8%)
Above pitch angle	0 - 300 mm/10 m (0-3%)
Underneath	0 - 700 mm/10 m (0-7%)
Left	0 - 1000 mm/10 m (0-10%)
Right	0 - 1000 mm/10 m (0-10%)
Light intensity	0 - 125000 cd
Illuminance	0 - 200 lx
Measurement distance	100 - 500 mm
Adjustment track lens centre over floor	240 - 1500 mm
Deviation of intensity	+/-5%
Deviation from an axle	+/- 5'
Temperature range	+5 - +40°C
Relative humidity	20 - 80 %
Power supply (mains adapter)	1/N/PE 100-240 V 50/60 Hz

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## TECHNICAL DATA

Dimensions (H x W x D)

1770 x 655 x 720 mm

## ACCESSORIES

### Stainless steel rails, above-floor

VZ 930109	Semicircular profile rail stainless steel, guide rail length 3 m, above-floor
VZ 930110	Semicircular profile rail stainless steel, guide rail length 4.5 m, above-floor
VZ 930111	Rails with levelling capacity Semicircular, stainless steel length 3 m, above-floor
VZ 930112	Rails with levelling capacity Semicircular, stainless steel length 4.5 m, above-floor

### Stainless steel rails, below-floor

VZ 930113	Semicircular profile rail stainless steel, guide rail length 3 m, below-floor
VZ 930114	Semicircular profile rail stainless steel, guide rail length 4.5 m, below-floor
VZ 930115	Rails with levelling capacity Semicircular, stainless steel length 3 m, below-floor
VZ 930116	Rails with levelling capacity Semicircular, stainless steel length 4.5 m, below-floor

### Headlight testing technology, accessories

VZ 975229	Rollers for Version without guide rails -Extra charge
VZ 975922	Metal rollers, grooved -EXTRA CHARGE
VZ 990312	PC Cable Connection Module MLT 3000 for Test Lane
VZ 990441	PC Bluetooth Module MLT 3000 for Test Lane
VZ 910140	USB/RS 232 Converter for Connection to PC/ Laptop w/o. RS 232 Interface -NET-

VZ 990299	Laser Aligner for Headlight Adjusting Device
VZ 990440	Optical Adjustment Aid Display via Colour LED on the Front Panel
VZ 975787	Alignment Bracket for Headlight Tester
VZ 975907	Tool holder for headlight tester
VP 186050	Communication Desk EUROSYSTEM Car/Truck (w/o electronics) Model: MCD 2000
VZ 955273	Printer Compartment for Communication Desk EUROSYSTEM MCD 2000
VZ 955274	Side Shelf for Comm. Desk EUROSYSTEM MCD 2000
VZ 955277	External PC Storage Shelf for Communication Desk EUROSYSTEM MCD 2000

### SUPPLEMENTARY CHARGES

VT 995042	Transportkosten Scheinwerfer-Einstellgerät
VV 997241	Packing Charges for Headlight Tester
VT 998142	Transportkosten Laufschiene Halbrundprofil 3,0 m/4,5 m
VM 996140	Installation Costs for Headlight Tester Surface Mounted/Rails
VM 996141	Montagekosten ScheinwerferEinstellgerät, unterflur Schienen (bauseits/n. Aufwand)
VM 995149	Stückprüfung SEP/ KFZ-Aufstellfläche nach § 29 StVZO -PKW-
VM 995150	Stückprüfung SEP/ NFZ-Aufstellfläche nach § 29 StVZO -LKW/PKW-