

HEADLIGHT TESTING TECHNOLOGY

HEADLIGHT TESTER

MLT 3000 2.0
VP 185081



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The MLT 3000 2.0 is the perfect solution for precise and efficient headlight adjustment and testing. Combining state-of-the-art technology with ease of use, its capacitive 7" touchscreen and advanced CMOS camera offer intuitive menu navigation and deliver reliable results – perfectly aligned with legal requirements and manufacturer standards.

Thanks to wireless flexibility, electronic levelling compensation, and easy positioning, the device integrates seamlessly into any workshop environment, optimising your workflows. Its robust materials and versatile interfaces make it ideal for standalone checks and networked test lanes.

Experience headlight testing at its best!

PRODUCT DETAILS/ACCESSORIES

Description:

- Digital device for quick and objective testing and adjustment of vehicle headlights, taking into account statutory limits and vehicles manufacturers guidelines
- Electronic levelling system to compensate for unevenness in the floor at the headlight tester installation site
- Capacitive 7 touch screen for menu navigation and display of measurement values
- High dynamic range CMOS camera with special filter for precise capture and digitization of 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 via Bluetooth oder cable
- Powerful Lithium battery for cable-free long-term use

- Robust construction, also suitable for test lanes
- Pivoting horizontally-oriented laser alignment unit, for positioning the device in relation to the vehicle
- Automatic latching of the light collecting box to the precision aluminium guide column facilitates handling and optimises reproducibility
- Large Fresnel lens for easy positioning in front of the headlights helps speed up the entire set-up process
- Equipped as standard with plastic needle bearing plastic half-round rollers for use on our optional stainless steel half-round runners
- Large adjustment range of the castors for easier adaptation to different rail systems or to the SEP installation surface

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 %

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TECHNICAL DATA

Power supply (mains adapter)	1/N/PE 100-240 V 50/60 Hz
Dimensions (H x W x D)	1770 x 655 x 720 mm
Red line laser	Laser class 2M
Wavelength laser	638 nm

ACCESSORIES

VZ 930109	Semicircular profile rail stainless steel, guide rail length 3 m, above-floor	VZ 990440	Optical Adjustment Aid
VZ 930110	Semicircular profile rail stainless steel, guide rail length 4.5 m, above-floor	VZ 975787	Alignment Bracket for Headlight Tester
VZ 930111	Rails with levelling capacity Semicircular, stainless steel length 3 m, above-floor	VZ 975907	Tool holder for headlight tester
VZ 930112	Rails with levelling capacity Semicircular, stainless steel length 4.5 m, above-floor	VP 186050	Communication Desk EUROSYSTEM Car/Truck (w/o electronics) Model: MCD 2000
VZ 930113	Semicircular profile rail stainless steel, guide rail length 3 m, below-floor	VZ 955273	Printer Compartment for Communication Desk EUROSYSTEM MCD 2000
VZ 930114	Semicircular profile rail stainless steel, guide rail length 4.5 m, below-floor	VZ 955274	Side Shelf for Comm. Desk EUROSYSTEM MCD 2000
VZ 930115	Rails with levelling capacity Semicircular, stainless steel length 3 m, below-floor	VZ 955277	External PC Storage Shelf for Communication Desk EUROSYSTEM MCD 2000
VZ 930116	Rails with levelling capacity Semicircular, stainless steel length 4.5 m, below-floor	SUPPLEMENTARY CHARGES	
VZ 975229	Solid rubber Rollers -Extra charge	VT 998273	Internal transport -SOUTHHeadlight tester
VZ 975922	Steel rollers, grooved -EXTRA CHARGE	VT 998274	Internal transport -NORTHHeadlight tester
VZ 990312	PC Cable Connection Module MLT 3000 for Test Lane	VV 997241	Packing Charges for Headlight Tester
VZ 990441	PC Bluetooth Module MLT 3000 for Test Lane	VT 998275	Internal transport -SOUTHLight running rails
VZ 910140	USB/RS 232 Converter for Connection to PC/ Laptop w/o. RS 232 Interface -NET-	VT 998276	Internal transport -NORTHLight running rails
VZ 990536	Additional Laser Aligner with vertical orientation	VM 996140	Installation Costs for Headlight Tester Surface Mounted/Rails
VZ 990538	Mirror adjustment unit including laser	VM 996141	Montagekosten ScheinwerferEinstellgerät, unterflur Schienen (bauseits/n. Aufwand)
		VM 995149	Routine test Headlight tester/ Vehicle support area § 29 StVZO (Germany) CAR
		VM 995150	Routine test Headlight tester/ Comm. vehicle support area § 29 StVZO (Germany) TRUCK/CAR