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:

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:

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
VV 997241	Packing headlight adjusting device -Europe-
VV 997242	Packing headlight adjusting device -overseas-
VV 997243	Packing slide track (pre-delivery) -Europe-
VV 997244	Pack. charg. slide track (pre-delivery) Overseas