

VEHICLE TESTING TECHNOLOGY AXLE DAMPING TESTER

MSD 3000
VP 215033



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The axle damping test bench MSD 3000 is characterised by a fast and precise mechanical testing of the axle damping. Through the frequency-controlled plate activation via electric motors, the maximum vibration amplitude is calculated and then the axle damping is evaluated according to the Lehr damping principle. The fully automatic test sequence, including the calculation of axle and vehicle weight, saves time and allows a reliable assessment of the axle damping.

PRODUCT DETAILS/ACCESSORIES

Description:

- Quick and accurate physical axle damping testing
- Evaluation based on Lehr's damping ratio
- Automatic measurement of axle and vehicle weight with transfer of weight to brake tester (optional)
- Fully-automatic test sequence launched once plate load of is more than 60 kg on both sides
- Frequency-controlled plate excitation by electric motors to determine the maximum vibration amplitude, with subsequent evaluation of axle damping
- Noise search function for pinpointing interference noises in the vehicle directly on the test stand (optional)
- Floor unit as self-supporting framework
- Parallelogram-guided test plates and therefore no fixed wheel testing point necessary

- In conjunction with EUROSYSYSTEM: display on PC screen with evaluation by Lehr's damping ratio D with deviation display and graphic representation
- In conjunction with LON brake testers: representation on LON analogue displays with evaluation by Lehr's damping ratio D
- Varnished with high-quality powder coating: Anthracite Grey, RAL 7016

Standard delivery:

- MSD 3000 EURO Floor Unit Axle Damping Tester
- Pre-configured for connection to EUROSYSYSTEM or LON test line
- Pre-configured for stand-alone use (requires MCD 2000 communication desk with electronics)

TECHNICAL DATA

Axle load (test capacity)	2200 kg
Axle load (support capacity)	2500 kg
Min. track	880 mm
Max. track	2200 mm
Drive power	2 × 1.1 kW
Excitation lift	6.5 mm
Excitation frequency (regulated)	2 - 10 Hz
Maximum plate lift	70 mm
Measurement display (damping ratio D)	0.02 - 0.3 (without units)
gG fuse	16 A
Power supply	1/N/PE 230 V 50/60 Hz
Floor unit dimensions (H x W x L)	280 x 800 x 2320 mm

ACCESSORIES

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VZ 975082	Extra Charge for Reinforced Version, vehicle weight bearing max. 13 t Axle Load	VT 998280	Transport Factory traffic -NORTH- (Germany only) MBT W220/RS2, MSD -Compact-
VZ 930022	Divided Version for Pit Installation	VT 998281	Internal transport -SOUTHMBT W250/RS4/W280/RS5, C13.0 MSD-Plus -One-piece/Compact-
VZ 930096	Version MSD 3000 Plus for Tracking width up to 2500 mm -EXTRA CHARGE-	VT 998282	Internal transport -NORTHMBT W250/RS4/W280/RS5, C13.0 MSD-Plus -One-piece/Compact-
VZ 990385	Noise Detection Module (can be operated by Wireless Remote Control), for MSD 3000	VT 998283	Internal transport -SOUTHMBT, MSD -Two-piece/Split-
VZ 975633	Calibration-Device MSD 3000	VT 998284	Internal transport -NORTHMBT, MSD -Two-piece/Split-
VP 186051	Communication Desk EUROSYSYSTEM Car/Truck (with electronics) Model: MCD 2000	VM 996142	Installation costs MSD incl. Instruction and calibration
SUPPLEMENTARY CHARGES			
VT 998279	Transport Factory traffic -SOUTH- (Germany only) MBT W220/RS2, MSD -Compact-		