VEHICLE TESTING TECHNOLOGY **AXLE DAMPING TESTER**

C_MSD C 2.5 W220
VP 215047

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The axle damping test bench C_MSD 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:
Shock absorber tester for quick and precise,
physical shock absorption testing
for cars and vans of up to 2.5 t axle load (traversable)
with a track width of 2,200 mm

Specially suitable for car reception, diagnostic and
PTI test lanes

- 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 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, only in conjunction with EUROSYSTEM)
- Floor unit as self-supporting framework
- Parallelogram-guided test plates and therefore no fixed wheel testing point necessary
- In conjunction with CONNECT Web client: Display on terminal device (Smart device, PC, ...) with evaluation by Lehr's damping ratio D with deviation display and graphics
- In conjunction with EUROSYSTEM: Display on PC screen with evaluation by Lehr's damping ratio D with deviation display and graphics

Design:
- Shock absorber tester C W220
- Self-supporting, enclosed floor assembly (Compact)
- High-quality powder coating: anthracite grey, RAL 7016

Scope of delivery:
- Shock absorbertester C_MSD C 2.5 W220 Enclosed floor assembly
- Prepared for connection to CONNECT test lane

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

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TECHNICAL DATA

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

VZ 975633	Calibration-Device MSD 3000

SUPPLEMENTARY CHARGES

VT 998279	Transport Factory traffic -SOUTH- (Germany only) MBT W220/RS2, MSD -Compact-
VT 998280	Transport Factory traffic -NORTH- (Germany only) MBT W220/RS2, MSD -Compact-
VM 996142	Installation costs MSD incl. Instruction and calibration

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