

# VEHICLE TESTING TECHNOLOGY AXLE DAMPING TESTER

**C\_MSD S 2.5 W220**  
VP 215048



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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 of cars and vans up to 2.5 t axle load (traversable)

Specially suitable for car reception, diagnostic and PTI test lanes in combination with working pits

- 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 EUROSYSYSTEM)
- Floor unit as self-supporting framework

- Parallelogram-guided test plates and therefore no fixed wheel testing point necessary
- In conjunction with CONNECTWeb client: Display on terminal device (Smart device, PC, ...) with evaluation by Lehr's damping ratio D with deviation display and graphics
- In conjunction with EUROSYSYSTEM: Display on PC screen with evaluation by Lehr's damping ratio D with deviation display and graphics

Design:

- Shock absorber tester S W220
- Self-supporting, split floor assembly (Split)
- High-quality powder coating: anthracite grey, RAL 7016

Scope of delivery:

- Shock absorber tester C\_MSD S 2.5 W220 Split floor assembly
- Prepared for connection to CONNECT test lane

### **TECHNICAL DATA**

Axle load (test capacity)	2200 kg
Axle load (support capacity)	2500 kg
Drive power	2 x 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 1160 mm

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## ACCESSORIES

VZ 975633 Calibration-Device MSD 3000

### SUPPLEMENTARY CHARGES

VT 998283 Transport Werkverkehr -SÜDMBT, MSD -geteilt/  
Split-

VT 998284 Transport Werkverkehr -NORDMBT, MSD -geteilt/  
Split-

VM 996142 Montagekosten MSD inkl. Einweisung und  
Kalibrierung