

# VEHICLE TESTING TECHNOLOGY AXLE DAMPING TESTER

**C\_MSD C 13.0 W250**  
VP 215052



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Shock absorber tester for quick and precise, physical shock absorption testing of cars und vans up to 13 t axle load (traversable) with a track width of 2,500 mm.

Specially suitable for car reception, diagnostic and PTI test lanes. For wider vehicles such as SUVs, off-roaders or vans.

## PRODUCT DETAILS/ACCESSORIES

Description:  
Shock absorber tester for quick and precise, physical shock absorption testing of cars und vans up to 13 t axle load (traversable) with a track width of 2,500 mm

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- 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 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 EUROSYSYSTEM: Display on PC screen with evaluation by Lehr's damping ratio D with deviation display and graphics

Design:

- Shock absorber tester S W250
- Self-supporting, enclosed floor assembly (Compact)
- High-quality powder coating: anthracite grey, RAL 7016

Scope of delivery:

- Shock absorber tester C\_MSD C 13.0 W250 Enclosed floor assembly
- Prepared for connection to CONNECT test lane

Attention:

In combination with brake tester, please note installation length 2.95 m (C\_MBT W250 = 2.67 m / C\_MBT W280 = 2.95 m)

## TECHNICAL DATA

Axle load (test capacity)	2200 kg
Axle load (support capacity)	13000 kg
Min. track	880 mm
Max. track	2500 mm
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)

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## TECHNICAL DATA

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 2924 mm

## ACCESSORIES

VZ 975633 Calibration-Device MSD 3000

VT 998282 Transport Werkverkehr -NORDMBT W250/RS4/  
W280/RS5, C13.0 MSD-Plus -ungeteilt/Compact-

## SUPPLEMENTARY CHARGES

VT 998281 Transport Werkverkehr -SÜDMBT W250/RS4/  
W280/RS5, C13.0 MSD-Plus -ungeteilt/Compact-

VM 996142 Montagekosten MSD inkl. Einweisung und  
Kalibrierung