

# VEHICLE TESTING TECHNOLOGY AXLE DAMPING TESTER

**C\_MSD C 2.5 W250**  
VP 215049



## **C\_MSD C 2.5 W250** VP 215049

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) 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

- 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 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 2.5 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)	2500 kg
Min. track	880 mm
Max. track	2500 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	

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(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 2924 mm

## ACCESSORIES

VZ 975633 Calibration-Device MSD 3000

### SUPPLEMENTARY CHARGES

VT 998281 Internal transport -SOUTHMBT W250/RS4/W280/  
RS5, C13.0 MSD-Plus -One-piece/Compact-

VT 998282 Internal transport -NORTHMBT W250/RS4/  
W280/RS5, C13.0 MSD-Plus -One-piece/  
Compact-

VM 996142 Installation costs MSD incl. Instruction and  
calibration