

# BRAKE TESTING TECHNOLOGY MBT 3000 SERIES

## MBT 3250 EUROSYSYSTEM VP 410125



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The test-lane-compatible roller brake tester MBT 3250 EUROSYSYSTEM is designed for the brake testing of cars, vans and light-duty trucks with axle loads of up to 8.0 t and is ideal for vehicle reception and diagnostic lanes. Its standard test speed of 5 km/h complies with the country-specific legal requirements for testing cars and light-duty trucks. As it is possible to connect additional EURO floor units, the brake tester can be used as a base module for the setting up of test lanes.

### PRODUCT DETAILS/ACCESSORIES

Description of the MBT 3250 EUROSYSYSTEM:

Test lane-enabled roller brake tester for cars and particularly vans and light lorries with an axle load of up to 8.0 t

- Thanks to 8 t axle load and 2800 mm track width, particularly suitable for vans and light lorries
- As a test speed of 5 km/h is supplied as standard, both cars and light lorries can be tested in compliance with legislation.
- Visualisation of measured values, difference and graphics on monitor display
- Test lane-enabled thanks to possibility of connecting MSD 3000 / MINC / TPS EURO floor units
- Comprehensive package of functions for professional testing, such as:
  - Delayed automatic switch-on after entering the tester
  - Automatic start-up monitoring supplied as standard to avoid tyre damage
  - Automatic slip cut-off with pointer stop and automatic restart already included as standard
  - Automatic exiting aid supplied as standard to enable the driven axles to conveniently exit the tester
  - Automatic cut-off after exiting the tester
  - Single-wheel switching for differentiated consideration of each wheel
- Intuitive-to-use EUROSYSYSTEM software for the highest expert standards with:
  - Round instrument display for the braking forces Additional displays for difference, decelerations, and optional scale and force sensors.
  - Integrated user guidance with easy-to-understand user instructions
  - Continuous and graphic real-time display of all the measured values using the reference values time and force.
  - EUROSYSYSTEM supplied as standard with integrated SQL Server Express database
  - Multi-user capability option for productive allocation of the individual work packages to several workstations.
  - Easy to connect additional devices such as MLT 3000 to EUROSYSYSTEM
  - Configurable test report with all the measurement and evaluation results of the tests performed on a single print-

out

- Robust and long-lasting design due to:
  - Electronic, temperature-compensated strain gauge system for highly precise measurement results under all environmental conditions
  - Roller surface welded
  - Optional, free plastic coating on the test rollers
  - 32-bit microprocessor electronics for process control and monitoring of all the safety functions
  - Lockable main switch
  - RS 232 interface connection
  - Splash-proof motors work reliably, even under high-stress environmental influences
  - Weighted test rollers with groove ball bearings ensure maximum precision and complete driving comfort and guarantee a long service life for the entire tester
  - Internationally recognised TÜV certificate as per issue 9/2011 of the Verkehrsblatt (German Transport Gazette)
  - Star-delta circuit to avoid high inrush currents
  - Self-supporting closed roller set
  - Varnished with high-quality powder coating: Anthracite Grey, RAL 7016

Description of the MCD 2000 communication desk:

- Robust and multifunctional metal casing
- Integrated switch cabinet for housing electronic components
- Lockable drawer for keypad and PC mouse, plus storage compartment for small items of equipment
- VESA standard bracket for holding the all-in-one PC or PC monitor
- Can be extended with optional PC storage compartment or side shelves
- Varnished with high-quality powder coating: window grey, RAL 7040 (switch cabinet) anthracite grey, RAL 7016 (side faces)

Dimensions of

communication desk (HxWxD)	approx. 1230 x 860 x 350 mm
with printer compartment	
option (HxWxD)	approx. 1560 x 860 x 420 mm

Scope of delivery:

- MCD 2000 communication desk with integrated switch cabinet
- MBT 3000 roller set with preparation for weighing equipment

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## TECHNICAL DATA

Axle load (can be driven over)	8000 kg
Min. track	870 mm
Max. track	2800 mm
Drive power	2 x 5.5 kW
Test speed	5 km/h
Measuring range	10 kN
Roller diameter	202 mm
Roller axle distance	400 mm
gG fuse	35 A
Power supply	3/N/PE 400 V 50 Hz
Dimensions of roller set (L x W x H)	2925 x 680 x 280 mm