

# BRAKE TESTING TECHNOLOGY MBT 7000 SERIES

## MBT 7250 EUROSYSYSTEM VP 410159



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The test-lane-compatible roller brake tester MBT 7250 EUROSYSYSTEM is designed for the brake testing of trucks with axle loads of up to 18.0 t and is ideal for truck diagnostics in situations of high vehicle throughput. Its large sensor roller, with a diameter of 100 mm, guarantees measurable coverage across all tyre dimensions. 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 7250 EUROSYSYSTEM:

- Perfectly suited to lorry diagnostics, even with a very high vehicle throughput
- With the optionally available, integrated roller set lift:
  - For load simulation
  - For redistribution on an axle to be tested
  - No foundation modifications saves a substantial amount of structural effort
- Service and installation-friendly design with maintenance flap
- Large sensing roller with a diameter of 100 mm guarantees measurable coverage across all tyre dimensions
- 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
  - RS 2 roller set design with space-saving motor integration underneath the test rollers
  - Rear roller elevated by 50 mm - guarantees highly precise measurement results, particularly for trailer axles.
  - Self-supporting divided 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

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**MBT 7250 EUROSYSTEM**  
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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 7000 RS 2 roller set with preparation for weighing equipment

## TECHNICAL DATA

|                                |                    |
|--------------------------------|--------------------|
| Axle load (can be driven over) | 18000 kg           |
| Drive power                    | 2 x 11 kW          |
| Test speed                     | 3 km/h             |
| Roller length                  | 1150 mm            |
| Roller diameter                | 265 mm             |
| Roller axle distance           | 475 mm             |
| gG fuse                        | 63 A               |
| Power supply                   | 3/N/PE 400 V 50 Hz |