

# BRAKE TESTING TECHNOLOGY MBT 5000 SERIES

**MBT 5250 EUROSYSYSTEM**  
VP 410136



## **MBT 5250 EUROSYSYSTEM** VP 410136

The above-floor roller brake tester MBT 5250 EUROSYSYSTEM is designed for the brake testing of trucks with axle loads of up to 18.0 t. Thanks to its low drive-over height, the MBT 5250 EUROSYSYSTEM can be flexibly operated above floor without the need for foundation work. It is therefore particularly suitable for mobile roadside inspections.

### **PRODUCT DETAILS/ACCESSORIES**

Description of the MBT 5250 EUROSYSYSTEM:

Above-ground roller brake tester for lorries with an axle load of up to 18 t

- Designed particularly for mobile roadside inspections.
- Due to the low drive-over height, can be flexibly used above-ground without any need for foundation work.
- Visualisation of measured values, difference and graphics on monitor display
- 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 coated in plastic
  - Optional, free welded 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
  - Star-delta circuit to avoid high inrush currents
  - Centre cover between the roller sets
  - Self-supporting divided roller set
  - Varnished with high-quality powder coating: Anthracite Grey, RAL 7016
  - Suitable for above-ground use only

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 5000 roller set with preparation for weighing equipment

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## TECHNICAL DATA

Axle load (can be driven over)	18000 kg
Min. track	750 mm
Max. track	3010 mm
Drive power	2 x 11 kW
Test speed	2.3 km/h
Roller length	1190 mm
Roller diameter	152 mm
Roller axle distance	450 mm
gG fuse	63 A
Power supply	3/N/PE 400 V 50 Hz
Dimensions of roller set (L x W x H)	4791 x 900 x 460 mm

## ACCESSORIES

VZ 935207	Set of Approach and Exit Ramps (4 pcs.) for MBT 5000	VZ 910156	Radio remote control/Radio Hand-held terminal FFB3-FHT (-EXTRA CHARGE to FFB3-)
VZ 935208	Drive-over ramps for MBT 5000 (2 pcs.)	VZ 980050	Pneum. Radio-Controlled Pressure Converters, Meas. Range 0 - 20 bar, MODEL: C_RCD 50
VZ 975658	Weighing device STATIC/ DYNAMIC for Roller set MBT 5000 Series	VZ 985064	Hydr. radio pressure converter, range: 0 - 160 bar MODEL: C_RAH 10-2 - 160 bar
VZ 935234	Welded Roller Surface (Standard Production - Plastic Coated)	VZ 955071	Flashing Light with Periodical Signal Horn for Radio Controlled Pressure Converters
VZ 935072	Driving and Testing direction manually switchable at console	VZ 990090	Warning Lamp f. Radio-Control. Pressure Converters when being removed from Re-Charging Box
VZ 935134	Driving in both directions	VZ 911275	Software EUROSYSYSTEM
VZ 935113	DC-Brake for MBT 4000/7000 Roller Sets	VZ 911276	Software module EUROSYSYSTEM Multi-user capability
VZ 950057	Simultaneous Display for MBT 4000/7000 LON/-EUROSYSYSTEM TYP: MSA T CLASSIC	VZ 911373	Software EUROSYSYSTEM V8
VZ 950058	Simultaneous Display for MBT 4000/7000 LON/-EUROSYSYSTEM TYP: MSA T VARIODATA	VZ 912030	Connection Module for Equipment
VZ 950059	Simultaneous Display for MBT 4000/7000 LON/-EUROSYSYSTEM TYP: MSA T COMPETENCE	VZ 911045	'asanetwork netmanager' f. commercial software networking with asanetwork equipment
VZ 955252	Differential display for Simultaneous Display MSA	VZ 911079	Software package Brake evaluation
VZ 955253	Display module VARIODATA	VP 186050	Communication Desk EUROSYSYSTEM Car/Truck (w/o electronics) Model: MCD 2000
VZ 955254	LED-running letters (16 digits) with convenient operator guidance	VZ 955273	Printer Compartment for Communication Desk EUROSYSYSTEM MCD 2000
VZ 955269	Installation Kit to attach Simultaneous Display MSA to Wall (approx. 90° swivalable)	VZ 955274	Side Shelf for Comm. Desk EUROSYSYSTEM MCD 2000
VZ 955255	Wall holder for Simultaneous Display MSA (approx. 180° swivalable)	VZ 955277	External PC Storage Shelf for Communication Desk EUROSYSYSTEM MCD 2000
VZ 955270	Foot for Simultaneous Display MSA, (approx. 180° swivalable) for free-standing installation	VZ 910177	Industrial PC Compact with Windows 10 -NET PRICE
VZ 955271	Support for Simultaneous Display MSA CLASSIC, for Inst. to Communication Desk MCD	VZ 955275	Holder for Compact/Performance PC, suitable for placement inside MCD 2000 desk
VZ 910047	Infrared Remote Control IFB3	VZ 910052	PC Keyboard and Mouse -NET PRICE
VZ 990050	Pedal force meter	VZ 910200	PC Flat screen 24 VGA/DVI/HDMI, (TFT standard) -NET PRICE-
VP 990434	Pedalforce Meter MODEL: PFM 1000	VZ 910192	LED simultaneous display unit 43 incl. pedestal, HDMI -NET PRICE-
VZ 955088	Key Switch for Emergency Stop	VZ 955244	Rotatable (>&gt;) Folding Wall Holder f. TFT Industrial- or TV Flat Screens (up to 47)
VZ 955045	Emergency Switch	VZ 910193	HDMI Cable 5 m -NET PRICE-
VZ 955014	Working hour meter	VZ 910179	HDMI Cable 15 m -NET PRICE-
VZ 955080	Thermostat-Controlled Heater for Electro-Cabinet	VZ 910180	HDMI Cable 30 m -NET PRICE-
VZ 980035	Start set radio controlled pressure converter		
VZ 910154	Radio remote control Model: FFB3 incl. reception module		

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VZ 910181	HDMI Splitter, 4-port incl. 2 m cable -NET PRICE	VT 998253	Transport Werkverkehr -SÜDSimultananzeige, MCD Schaltschrank (pro Stück)
VZ 910091	A4 Ink jet colour printer (incl. printer cable) -NET PRICE-	VT 998254	Transport Werkverkehr -NORDSimultananzeige, MCD Schaltschrank (pro Stück)
VZ 955299	Tablet PC Rugged (industrial standard) MODEL: C_Tablet-PC -NET PRICE-	VM 999005	Hydraulic Oil (HLPD 32) per Litre -NET PRICE
VZ 955318	Docking station as charger incl. power supply unit for C_Tablet-PC -NET-	VM 996178	Assembly costs Brake Tester MBT 4250/-7250 EUROSYSYSTEM MBT 5250/-6250
VZ 955287	Autom. license pl. recognition incl. full-HD outdoor network IP camera with wall mount	VM 996090	Assembly Costs Radio Pressure Converters per unit/recharging box
VZ 955291	Distance sensor triggering the automatic license plate recognition	VM 996177	Montagekosten C_Tablet-PC -bei Neuinstallation
<b>SUPPLEMENTARY CHARGES</b>		VM 995679	Assembly Costs per Display Unit (LON/ EUROSYSYSTEM)
VT 998283	Transport Werkverkehr -SÜDMBT, MSD -geteilt/ Split-	VM 996114	Pre-assembly Brake Tester MBT 4000/5000/6000/7000 with 20m cable
VT 998284	Transport Werkverkehr -NORDMBT, MSD -geteilt/ Split-	VM 996115	Connection and Calibration MBT 4000/5000/6000/7000 with 20 m cable