

# BRAKE TESTING TECHNOLOGY MBT 4000 SERIES

**MBT 4250 EUROSYSYSTEM**  
VP 410153



## **MBT 4250 EUROSYSYSTEM** VP 410153

The test-lane-compatible roller brake tester MBT 4250 EUROSYSYSTEM is designed for the brake testing of trucks with axle loads of up to 13.0 t. Its standard split design for pit installation ensures a high level of flexibility within the working area. 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 4250 EUROSYSYSTEM:  
Test lane-enabled roller brake tester for lorries with an axle load of up to 13 t

- Divided design supplied as standard for installation in a working pit enables a high level of flexibility with regard to the area of use
- The dimensions offer the best testing opportunities for standard cars and lorries
- 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 plasticcoating 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 40 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

communication desk (HxWxD) approx. 1230 x 860 x 350 mm

# BRAKE TESTING TECHNOLOGY MBT 4000 SERIES

**MBT 4250 EUROSYSYSTEM**  
VP 410153



with printer compartment  
option (HxWxD)

approx. 1560 x 860 x 420 mm

- MCD 2000 communication desk with integrated switch cabinet
- MBT 4000 RS 2 roller set with preparation for weighing equipment

Scope of delivery:

## TECHNICAL DATA

Axle load (can be driven over)	13000 kg
Drive power	2 x 9 kW
Test speed	2.3 km/h
Roller length	1000 mm
Roller diameter	202 mm
Roller axle distance	430 mm
gG fuse	50 A
Power supply	3/N/PE 400 V 50 Hz

## ACCESSORIES

VZ 930027	Additional Charge for Reinforced Roller Set max. Axle Load 15 t	VZ 935198	Lashing Straps for Hydr. Load Simulator (2 pcs)
VZ 930047	Additional Charge for 2 Re-inforced 11kW drive motors Fused 63 Amp slow.	VZ 935199	Fastening Set for Hydr. Load Simulator
VZ 935010	Flush-Floor Roller Set (both Front <-&<-> Rear Rollers raised 40 mm) for MBT 4000 RS.No.2	VZ 935200	Fastening Clamps (2 pcs.) for Hydr. Load Simulator
VZ 935142	Approach Ramp MBT 4000 RS No.2 (2 pcs.), made of Steel	VZ 935264	Mechanical-Hydraulic Lifting of MBT 4000/7000 RS.No.2
VZ 935275	Vehicle Weight-Bearing Roller Cover Plates (4 pcs.), Galv. Steel, for MBT 4000 RS No. 2	VZ 935112	Adapter frame to convert MBT 7000 foundation frame to MBT 4000 roller set
VZ 935073	Angle Iron Frame MBT 4000 RS2, C_MBT S 13.0/15.0 R100 MU with pit	VZ 935169	Mechanical-Hydraulic Roller Set Lift for MBT 4000/7000 RS.No.2/W
VZ 935157	Angle Iron Frame MBT 4000 RS2, C_MBT S 13.0/15.0 R100 MU with Pit, galvanized	VZ 935170	Angle Iron Frame for Lifting of Roller Set, with working pit
VZ 935074	Angle Iron Frame MBT 4000 RS2, C_MBT S 13.0/15.0 R100 MU w/o Pit	VZ 935172	Angle Iron Frame for Lifting of Roller Set (for Balzer Pit)
VZ 935155	Angle Iron Frame MBT 4000 RS2, C_MBT S 13.0/15.0 R100 MU w/o Pit, galvanized	VZ 935238	Roller Set Lift, Mech./Hydr. MBT 4000/7000 RS.No.2/W with Angle Iron Frame (1-Piece)
VZ 935180	Center Cover between Roller Sets, for MBT 4000	VP 935236	Floor Anchors -Above-Groundfor Raisable Roller Set
VZ 975547	Weighing device STATIC for MBT 4000/6000/7000	VP 935237	Floor Anchors -In-Groundfor Raisable Roller Set
VZ 975548	Weighing device STATIC/ DYNAMIC for MBT 4000/6000/7000	VZ 935232	Adapter Set Continental CTC II / Workshop Tab II -NET-
VZ 935077	Two Testing Speeds	VZ 935276	Prefitting with holder set for Continental CTC II -NET PRICE-
VZ 935006	Roller Heating	VZ 935110	Plastic-Coated Roller Surface (Standard Production - Welded)
VZ 985061	Hydr. Load Simulator Single HD Cylinder Model: MLS 1100	VZ 935072	Driving and Testing direction manually switchable at console
VZ 985052	Hydr. Load Simulator Double HD Cylinder Model: MLS 2100	VZ 935134	Driving in both directions
VZ 985018	Hydr. Load Simulator Double HD Cylinder Model: MLS 2150	VZ 990181	4 wheel drive regulator set for Visco and Rigid 4 WD (MBT 4000/7000 Series)
VZ 985053	Hydr. Load Simulator Double HD Cylinder Model: MLS 2200	VZ 935113	DC-Brake for MBT 4000/7000Roller Sets
VZ 985054	Hydr. Load Simulator Double HD Cylinder Model: MLS 2300	VZ 990350	Special voltage 3 x 230 V 50Hz
VZ 935251	MLS Weight Simulator Operation via Radio Remote Control MRC 1100 (not for MLS 2300)	VZ 950057	Simultaneous Display for MBT 4000/7000 LON/-EUROSYSYSTEM TYP: MSA T CLASSIC
VZ 990201	Converter Board for Control of Hydraulic Load Simulator Roller Set Lifting	VZ 950058	Simultaneous Display for MBT 4000/7000 LON/-EUROSYSYSTEM TYP: MSA T VARIODATA
VZ 935194	Floor Rails 4 m (2 pcs) for Hydr. Load Simulator (VZ 985053 or VZ 985054)	VZ 950059	Simultaneous Display for MBT 4000/7000 LON/-EUROSYSYSTEM TYP: MSA T COMPETENCE
VZ 935195	Floor Rails 4 m (2 pcs) for Hydr. Load Simulator (VZ 985053 or VZ 985054)	VZ 955252	Differential display for Simultaneous Display MSA
		VZ 955253	Display module VARIODATA
		VZ 955254	LED-running letters (16 digits) with convenient operator guidance

# BRAKE TESTING TECHNOLOGY MBT 4000 SERIES

**MBT 4250 EUROSYSYSTEM**  
VP 410153



VZ 955269	Installation Kit to attach Simultaneous Display MSA to Wall (approx. 90° swivalable)	VZ 910091	A4 Ink jet colour printer (incl. printer cable) -NET PRICE-
VZ 955255	Wall holder for Simultaneous Display MSA (approx. 180° swivalable)	VZ 955299	Tablet PC Rugged (industrial standard) MODEL: C_Tablet-PC -NET PRICE-
VZ 955270	Foot for Simultaneous Display MSA, (approx. 180° swivalable) for free-standing installation	VZ 955318	Docking station as charger incl. power supply unit for C_Tablet-PC -NET-
VZ 955271	Support for Simultaneous Display MSA CLASSIC, for Inst. to Communication Desk MCD	VZ 955237	AP Transmitter/Receiver Unit (Indoor Access Point)
VZ 910047	Infrared Remote Control IFB3	VZ 955287	Autom. license pl. recognition incl. full-HD outdoor network IP camera with wall mount
VZ 990050	Pedal force meter	VZ 955291	Distance sensor triggering the automatic license plate recognition
VP 990434	Pedalforce Meter MODEL: PFM 1000	<b>SUPPLEMENTARY CHARGES</b>	
VZ 955088	Key Switch for Emergency Stop	VT 998283	Transport Werkverkehr -SÜDMBT, MSD -geteilt/ Split-
VZ 955045	Emergency Switch	VT 998284	Transport Werkverkehr -NORDMBT, MSD -geteilt/ Split-
VZ 955014	Working hour meter	VT 998253	Transport Werkverkehr -SÜDSimultananzeige, MCD Schaltschrank (pro Stück)
VZ 955080	Thermostat-Controlled Heater for Electro-Cabinet	VT 998254	Transport Werkverkehr -NORDSimultananzeige, MCD Schaltschrank (pro Stück)
VZ 980035	Start set radio controlled pressure converter	VT 998257	Transport Werkverkehr -SÜDEinbaurahmen Bremsprüfstand geteilt
VZ 910154	Radio remote control Model: FFB3 incl. reception module	VT 998258	Transport Werkverkehr -NORDEinbaurahmen Bremsprüfstand geteilt
VZ 910156	Radio remote control/Radio Hand-held terminal FFB3-FHT (-EXTRA CHARGE to FFB3-)	VT 998259	Transport Werkverkehr -SÜDEinbaurahmen Bremsprüfstand ungeteilt
VZ 980050	Pneum. Radio-Controlled Pressure Converters, Meas. Range 0 - 20 bar, MODEL: C_RCD 50	VT 998260	Transport Werkverkehr -NORDEinbaurahmen Bremsprüfstand ungeteilt
VZ 985064	Hydr. radio pressure converter, range: 0 - 160 bar MODEL: C_RAH 10-2 - 160 bar	VT 998255	Transport Werkverkehr -SÜDNiederziehvorrichtung
VZ 955071	Flashing Light with Periodical Signal Horn for Radio Controlled Pressure Converters	VT 998256	Transport Werkverkehr -NORDNiederziehvorrichtung
VZ 990090	Warning Lamp f. Radio-Control. Pressure Converters when being removed from Re-Charging Box	VT 998261	Transport Werkverkehr -SÜDRollensatzanhebung LKW
VZ 911275	Software EUROSYSYSTEM	VT 998262	Transport Werkverkehr -NORDRollensatzanhebung LKW
VZ 911276	Software module EUROSYSYSTEM Multi-user capability	VM 999005	Hydraulic Oil (HLPD 32) per Litre -NET PRICE
VZ 911373	Software EUROSYSYSTEM V8	VM 996178	Assembly costs Brake Tester MBT 4250/-7250 EUROSYSYSTEM MBT 5250/-6250
VZ 912030	Connection Module for Equipment	VM 995148	Routine Test/Calibration acc. to VklB. 14/2021 Truck Brake Tester
VZ 911045	'asanetwork netmanager' f. commercial software network king with asanetwork equipment	VM 996088	Montagekosten Allradregelsatz bei Neuinstallation
VZ 911079	Software package Brake evaluation	VM 996090	Assembly Costs Radio Pressure Converters (max. 10 pcs.) per unit/recharging box
VP 186050	Communication Desk EUROSYSYSTEM Car/Truck (w/o electronics) Model: MCD 2000	VM 996177	Montagekosten Funk-Touchscreen FTS -bei Neuinstallation
VZ 955273	Printer Compartment for Communication Desk EUROSYSYSTEM MCD 2000	VM 995679	Assembly Costs per Display Unit (LON/ EUROSYSYSTEM)
VZ 955274	Side Shelf for Comm. Desk EUROSYSYSTEM MCD 2000	VM 996136	Montagekosten Rollensatzanhebung/ Niederziehvorrichtung (zus. Berechnung Aufwand >10h)
VZ 955277	External PC Storage Shelf for Communication Desk EUROSYSYSTEM MCD 2000	VM 996185	Montagekosten Bodenanker für Rollensatzanhebung (zus. Berechnung Aufwand >6h)
VZ 910177	Industrial PC Compact with Windows 10 -NET PRICE	VM 996114	Pre-assembly Brake Tester MBT 4000/5000/6000/7000 with 20m cable
VZ 955275	Holder for Compact/Performance PC, suitable for placement inside MCD 2000 desk	VM 996115	Connection and Calibration MBT 4000/5000/6000/7000 with 20 m cable
VZ 910052	PC Keyboard and Mouse -NET PRICE	VV 997584	Packing Charges Roller Set Lift
VZ 910200	PC Flat screen 24 VGA/DVI/HDMI, (TFT standard) -NET PRICE-		
VZ 910192	LCD simultaneous display unit 43 incl. pedestal, HDMI -NET PRICE-		
VZ 955244	Rotatable (<math>\langle \rangle</math> Folding Wall Holder f. TFT Industrial- or TV Flat Screens (up to 47 )		
VZ 910193	HDMI Cable 5 m -NET PRICE		
VZ 910179	HDMI Cable 15 m -NET PRICE		
VZ 910180	HDMI Cable 30 m -NET PRICE		
VZ 910181	HDMI Splitter, 4-port incl. 2 m cable -NET PRICE		