

# 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 149/2021 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

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Scope of delivery:

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

### 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

### ACCESSORIES

VZ 930040	Divided Roller Set for Installation in Pit	VZ 990050	Pedal force meter
VZ 975546	Weighing system STAT./DYN. for roller set MBT 3000	VP 990434	Pedalforce Meter MODEL: PFM 1000
VZ 935068	Roller Heating	VZ 955088	Key Switch for Emergency Stop
VZ 935174	Roller cover for MBT 3000 series, 4 t traversable	VZ 955045	Emergency Switch
VZ 930041	Automatic Pneumatic Lifting Device with light barrier for MBT 2xxx/3000	VZ 955014	Working hour meter
VP 930057	Foundation formwork galv., for MBT 2000 RS5/ C_MBT C W280	VZ 955080	Thermostat-Controlled Heater for Electro-Cabinet
VZ 935110	Plastic-Coated Roller Surface (Standard Production - Welded)	VZ 980035	Start set radio controlled pressure converter
VZ 935323	Mechanical roller set raiser for MBT 2000 RS5, MBT 3250	VZ 910154	Radio remote control Model: FFB3 incl. reception module
VZ 910190	Operating/Control Unit for Roller Set Raiser MBT 2000 RS.No.5	VZ 910156	Radio remote control/Radio Hand-held terminal FFB3-FHT (-EXTRA CHARGE to FFB3-)
VZ 935132	Driving and Testing Directions manually selectable both sides or one side	VZ 980050	Pneum. Radio-Controlled Pressure Converters, Meas. Range 0 - 20 bar, MODEL: C_RCD 50
VZ 935133	Driving and Testing Directions of Single Wheel selectable via Remote Control	VZ 985064	Hydr. radio pressure converter, range: 0 - 160 bar MODEL: C_RAH 10-2 - 160 bar
VZ 990355	4 wheel drive regulator set for Visco and Rigid 4 wheel drive	VZ 955071	Flashing Light with Periodical Signal Horn for Radio Controlled Pressure Converters
VZ 935114	DC Brake for MBT 2000/3000 Roller Sets	VZ 990090	Warning Lamp f. Radio-Control. Pressure Converters when being removed from Re-Charging Box
VZ 990352	Special voltage 3 x 230 V 50/60Hz	VZ 912030	Connection Module for Equipment
VZ 950055	Simultaneous Display for MBT 2000/3000 LON/-EUROSISTEM Model: MSA C CLASSIC	VZ 911045	'asanetwork netmanager' f. commercial software network king with asanetwork equipment
VZ 950056	Simultaneous Display for MBT 2000/3000 LON/-EUROSISTEM MODEL: MSA C VARIODATA	VZ 911079	Software package Brake evaluation
VZ 955252	Differential display for Simultaneous Display MSA	VZ 911275	Software EUROSISTEM
VZ 955253	Display module VARIODATA	VZ 911276	Software module EUROSISTEM Multi-user capability
VZ 955254	LED-running letters (16 digits) with convenient operator guidance	VZ 911373	Software EUROSISTEM V8
VZ 955269	Installation Kit to attach Simultaneous Display MSA to Wall (approx. 90° swivable)	VP 186050	Communication Desk EUROSISTEM Car/Truck (w/o electronics) Model: MCD 2000
VZ 955255	Wall holder for Simultaneous Display MSA (approx. 180° swivable)	VZ 955273	Printer Compartment for Communication Desk EUROSISTEM MCD 2000
VZ 955270	Foot for Simultaneous Display MSA, (approx. 180° swivable) for free-standing installation	VZ 955274	Side Shelf for Comm. Desk EUROSISTEM MCD 2000
VZ 955271	Support for Simultaneous Display MSA CLASSIC, for Inst. to Communication Desk MCD	VZ 955277	External PC Storage Shelf for Communication Desk EUROSISTEM MCD 2000
VZ 910047	Infrared Remote Control IFB3	VZ 910208	Industrial PC Compact with Windows 11 -NET PRICE
		VZ 955275	Holder for Compact/Performance PC, suitable for placement inside MCD 2000 desk

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VZ 910052	PC Keyboard and Mouse -NET PRICE	VT 998282	Internal transport -NORTHMBT W250/RS4/W280/RS5, C13.0 MSD-Plus -One-piece/Compact-
VZ 910200	PC Flat screen 24 VGA/DVI/HDMI, (TFT standard) -NET PRICE-	VT 998283	Internal transport -SOUTHMBT, MSD -Two-piece/Split-
VZ 910192	LED simultaneous display unit 43 incl. pedestal, HDMI -NET PRICE-	VT 998284	Internal transport -NORTHMBT, MSD -Two-piece/Split-
VZ 955244	Rotatable & Folding Wall Holder f. TFT Industrial- or TV Flat Screens (up to 47 )	VT 998253	Internal transport -SOUTHSimultaneous display, MCD Control cabinet (per pce)
VZ 910193	HDMI Cable 5 m -NET PRICE-	VT 998254	Internal transport -NORTHSimultaneous display, MCD Control cabinet (per pce)
VZ 910179	HDMI Cable 15 m -NET PRICE-	VM 996176	Installation costs Brake Tester MBT 2250 EUROSISTEM MBT 3250
VZ 910180	HDMI Cable 30 m -NET PRICE-	VM 995148	Routine Test/Calibration acc. to VklBl. 149/2021 Truck Brake Tester
VZ 910181	HDMI Splitter, 4-port incl. 2 m cable -NET PRICE	VM 996090	Assembly Costs Radio Pressure Converters per unit/recharging box
VZ 910091	A4 Ink jet colour printer (incl. printer cable) -NET PRICE-	VM 996088	Installation costs for 4WD-drive control kit for new installations
VZ 955299	Tablet PC Rugged (industrial standard) MODEL: C_Tablet-PC -NET PRICE-	VM 996177	Installation costs C_Tablet-PC -for new installation
VZ 955318	Docking station as charger incl. power supply unit for C_Tablet-PC -NET-	VM 995679	Assembly Costs per Display Unit (LON/ EUROSISTEM)
VZ 955237	AP Transmitter/Receiver Unit (Indoor Access Point)	VM 996117	Pre-installation Brake Tester MBT 2000/3000 with 10 m cable
VZ 955287	Autom. license pl. recognition incl. full-HD outdoor network IP camera with wall mount	VM 996118	Connection and Calibration Brake tester MBT 2000/3000 with 10 m cable
VZ 955291	Distance sensor triggering the automatic license plate recognition		
<b>SUPPLEMENTARY CHARGES</b>			
VT 998281	Internal transport -SOUTHMBT W250/RS4/W280/RS5, C13.0 MSD-Plus -One-piece/Compact-		