

# MBT 4250 EUROSYSYSTEM

## BRAKE TESTING TECHNOLOGY



## MBT-SERIES

VP 410153

Roller-Brake-Tester up to 13000 kg axle load

### DESCRIPTION:

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 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 40 mm – guarantees highly precise measurement results, particularly for trailer axles.
    - Self-supporting divided roller set
    - Varnished with high-quality powder coating, gentian blue RAL 5010

## DESCRIPTION:

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

## STANDARD DELIVERY:

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

## TECHNICAL DATA:

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

## ACCESSORIES:

VZ 955278	Add-on Kit Directive 2011 Roller Brake Testers	VZ 955255	Wall holder for Simultaneous Display MSA
VZ 930027	Reinforced roller set, 15000 kg for MBT 4000	VZ 955270	Foot for Simultaneous Display MSA
VZ 930047	Re-inforced 11 kW drive motors	VZ 955271	Support f. simultaneous display MSA CLASSIC
VZ 935010	Flush-floor roller set ( raised 40 mm)	VZ 910047	Infrared Remote Control IFB3
VZ 935142	Approach Ramp for MBT 4000 RS No. 2	VZ 990050	Pedalforce Meter
VZ 935140	Roller cover plates for MBT 4000 RS No. 2	VP 990434	Pedalforce Meter PFM 1000
VZ 935073	Angle iron install. frame f. MBT 4000, No. 2	VZ 955088	Key Switch for Emergency Stop
VZ 935157	Angle iron frame for MBT 4000	VZ 955045	Emergency Switch
VZ 935074	Angle iron installation frame f. MBT 4000	VZ 955014	Working hour meter
VZ 935155	Angle Iron Frame for MBT 4000 RS.No.2	VZ 955080	Thermo-controlled heater f. electro-cabinet
VZ 935091	Angle Iron frame RS1 undevided	VZ 980034	Pneumatic pressure converter
VZ 975547	Weighing device static MBT 4000/6000/7000	VZ 980035	Start set radio controlled pressure converter
VZ 975548	Weighing device static/dynamic	VZ 910154	Radio remote contr. FFB3
VZ 935077	Two Testing Speeds Manual	VZ 910156	Radio remote control/hand-held FFB3-FHT
VZ 935006	Roller Heating	VZ 980029	Pneumatic radio-controlled pressure converter
VZ 985061	MLS 1100 Load Simulator hydraulic	VZ 985028	Hydraulic radio-controlled pressure converter
VZ 985052	Hydr. load simulator double HD cylinder	VZ 955071	Flashing Light with Periodical Signal Horn
VZ 985018	Hydr. load simulator MLS 2150	VZ 990090	Warning Lamp for Radio-Control
VZ 985053	Hydr. load simulator double HD cyl. MLS 2200	VZ 911275	Software EUROSYSYSTEM
VZ 985054	Hydr. load simulator double HD cyl. MSL 2300	VZ 911276	Soft. mod EUROSYSYSTEM Multiuser capable
VZ 935251	MLS Operation via Radio Remote Control	VZ 912030	Connection Module for Equipment
VZ 990201	Remote control of load sim. / roller set lifting	VZ 911045	Softw. for comm. softw. netw. w. asanetwork
VZ 935194	Floor rails 4m f.Hydr.load sim.(foundation install)	VZ 911079	Software Package Brake Analysis
VZ 935195	Floor rails 4m f.Hydr.load sim.(w.fastening lugs)	VP 186050	MCD 2000 (without electronics)
VZ 935198	Lashing Straps for Hydr. Load Simulator	VZ 955273	Printer Shelf for MCD 2000
VZ 935199	Fastening set for hydr. load simulator	VZ 955274	Side Shelf for MCD 2000
VZ 935200	Fastening Clamps for Hydr. Load Simulator	VZ 955277	External PC Storage Shelf for MCD 2000
VZ 935264	Mechanical-Hydraulic Lifting of MBT 4000/7000 RS 2	VZ 910176	Industrial PC All-in-One
VZ 935112	Adapter frame MBT 7000 to MBT 4000 roller set	VZ 910177	Industrial PC Compact
VZ 935169	Lifting of Roller MBT 7000 RS. No. 2/W	VZ 955275	PC-Holder for placement inside MCD 2000
VZ 935170	Angle iron frame for lifting of roller set	VZ 910052	PC-Keyboard and Mouse
VZ 935172	Angle iron frame f. lifting of roller set (Balzer pit)	VZ 910165	PC Flat Screen 22 inch (TFT Standard)
VZ 935238	Roller Set Lift MBT 7000 RS2/W w/o pit	VZ 910192	Simultaneous Display Unit 40"
VP 935236	Floor Anchors Raisable RS Above-Ground	VZ 955244	Rotatable & Folding Wall Holder for TFT
VP 935237	Floor Anchors Raisable RS In-Ground	VZ 910193	HDMI Cable 5 m
VZ 935232	Adapter Set Continental CTC II	VZ 910179	HDMI Cable 15 m
VZ 935110	Plastic-Coated Roller Surface	VZ 910180	HDMI Cable
VZ 935072	Driving a. testing direction manually switchable	VZ 910181	HDMI-Splitter 4-Port
VZ 935134	Rotating directions switchable via remote control	VZ 910091	DIN A4 Ink Jet Colour Printer
VZ 990181	Regulator module for 4WD, Visco	VZ 955292	FTS 2016
VZ 935113	DC-Brake for MBT 4000/7000-Roller Sets	VZ 955293	Docking Station for FTS 2016
VZ 990350	Special voltage 3x230V/50Hz	VZ 955237	AP transm./receiver unit (indoor access point)
VZ 950057	Simultaneous Display MSA T CLASSIC	VZ 955287	Automatic license plate Recognition
VZ 950058	Simultaneous Display MSA T VARIODATA	VZ 955291	Distance Sensor for Licence Plate Recognition
VZ 950059	Simultaneous Display MSA T COMPETENCE	VZ 955289	Full-HD Outdoor Network IP Camera
VZ 955252	Differential display for Simultaneous Display MSA	VM 999005	Hydraulic Oil (HLP-D 32) per litre
VZ 955253	Display module VARIODATA	VM 995679	Montage Analog-, Digital-, Simultananzeige
VZ 955254	LED-running letters (16 digits)	VM 996114	Pre-assembly MBT 4000/5000/6000/7000
VZ 955269	Instal. kit to att. simultaneous display MSA to wall	VM 996115	Connection and Calibrat. MBT 4000/5000/6000/7000

## ACCESSORIES:

WV 997027	Packing installation frame for pit -Europe-
WV 997228	Packing installation frame for pit -overseas-
WV 997555	Packing brake tester IW4/IW7 -Europe-
WV 997556	Packing brake tester IW4/IW7 -overseas-
WV 997432	Packing load simulator -Europe-
WV 997222	Packing hydraulic load simulator -overseas-
VZ 997411	Extra charge f. connection of weighing system
WV 997262	Packing simultaneous display -Europe-
WV 997263	Packing simultaneous display -overseas-
WV 997472	Packing PC-Desk -Europe-
WV 997473	Packing PC-Desk -overseas-
VM 996055	Cable Form Extension 10m MBT4000-/7000-Series
VM 996056	Cable Form Extension 20m MBT4000-/7000-Series