MBT 4250 EUROSYSTEM
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 13000 kg

- 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 EUROSYSTEM 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.

- EUROSYSTEM 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 EUROSYSTEM
- 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 (H x W x D) approx. 1230 x 860 x 350 mm
  with printer compartment option (H x W x D) 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:

Code	Description
VZ 955278	Add-on Kit Directive 2011 Roller Brake Testers
VZ 930027	Reinforced roller set, 15000 kg for MBT 4000
VZ 930047	Re-inforced 11 kW drive motors
VZ 935010	Flush-floor roller set (raised 40 mm)
VZ 935142	Approach Ramp for MBT 4000 RS No. 2
VZ 935275	Roller Cover Plates MBT 4000 RS2
VZ 935073	Angle iron install. frame f. MBT 4000, No. 2
VZ 935157	Angle iron frame for MBT 4000
VZ 935074	Angle iron installation frame f. MBT 4000
VZ 935155	Angle Iron Frame for MBT 4000 RS.No.2
VZ 935091	Angle Iron frame RS1 undevided
VZ 935180	Center Cover between Roller Sets, for MBT 4000
VZ 975547	Weighing device static MBT 4000/6000/7000
VZ 975548	Weighing device static/dynamic
VZ 935077	Two Testing Speeds Manual
VZ 935006	Roller Heating
VZ 985061	MLS 1100 Load Simulator hydraulic
VZ 985052	Hydr. load simulator double HD cylinder
VZ 985018	Hydr. load simulator MLS 2150
VZ 985053	Hydr. load simulator double HD cyl. MLS 2200
VZ 985054	Hydr. load simulator double HD cyl. MSL 2300
VZ 935251	MLS Operation via Radio Remote Control
VZ 990201	Remote control of load sim. / roller set lifting
VZ 935194	Floor rails 4m f.Hydr.load sim.(foundation install)
VZ 935195	Floor rails 4m f.Hydr.load sim.(w.fastening lugs)
VZ 935198	Lashing Straps for Hydr. Load Simulator
VZ 935199	Fastening set for hydr. load simulator
VZ 935200	Fastening Clamps for Hydr. Load Simulator
VZ 935264	Mechanical-Hydraulic Lifting of MBT 4000/7000 RS 2
VZ 935112	Adapter frame MBT 7000 to MBT 4000 roller set
VZ 935169	Lifting of Roller MBT 7000 RS. No. 2/W
VZ 935170	Angle iron frame for lifting of roller set
VZ 935172	Angle iron frame f. lifting of roller set (Balzer pit)
VZ 935238	Roller Set Lift MBT 7000 RS2/W w/o pit
VP 935236	Floor Anchors Raisable RS Above-Ground
VP 935237	Floor Anchors Raisable RS In-Ground
VZ 935232	Adapter Set Continental CTC II
VZ 935276	Vorrüstung für CTC II
VZ 935110	Plastic-Coated Roller Surface
VZ 935072	Driving a. testing direction manually switchable
VZ 935134	Rotating directions switchable via remote control
VZ 990181	Regulator module for 4WD, Visco
VZ 935113	DC-Brake for MBT 4000/7000-Roller Sets
VZ 990350	Special voltage 3x230V/50Hz
VZ 950057	Simultanous Display MSA T CLASSIC
VZ 950058	Simultanous Display MSA T VARIODATA
VZ 950059	Simultanous Display MSA T COMPETENCE
VZ 955252	Differential display for Simultanous Display MSA
VZ 955253	Display module VARIODATA
VZ 955254	LED-running letters (16 digits)
VZ 955269	Instal. kit to att. simultanous display MSA to wall
VZ 955255	Wall holder for SimultanousDisplay MSA
VZ 955270	Foot for Simultanous Display MSA
VZ 955271	Support f. simultaneous display MSA CLASSIC
VZ 910047	Infrared Remote Control IFB3
VZ 990050	Pedalforce Meter
VP 990434	Pedalforce Meter PFM 1000
VZ 955088	Key Switch for Emergency Stop
VZ 955045	Emergency Switch
VZ 955014	Working hour meter
VZ 955080	Thermo-controlled heater f. electro-cabinet
VZ 980034	Pneumatic pressure converter
VZ 980035	Start set radio controlled pressure converter
VZ 910154	Radio remote contr. FFB3
VZ 910156	Radio remote control/hand-held FFB3-FHT
VZ 980029	Pneumatic radio-controlled pressure converter
VZ 985028	Hydraulic radio-controlled pressure converter
VZ 955071	Flashing Light with Periodical Signal Horn
VZ 990090	Warning Lamp for Radio-Control
VZ 911275	Software EUROSYSTEM
VZ 911276	Soft. mod EUROSYSTEM Multiuser capable
VZ 912030	Connection Module for Equipment
VZ 911045	Softw. for comm. softw. netw. w. asanetwork
VZ 911079	Software Package Brake Analysis
VP 186050	MCD 2000 (without electronics)
VZ 955273	Printer Shelf for MCD 2000
VZ 955274	Side Shelf for MCD 2000
VZ 955277	External PC Storage Shelf for MCD 2000
VZ 910176	Industrial PC All-in-One
VZ 910177	Industrial PC Compact
VZ 955275	PC-Holder for placement inside MCD 2000
VZ 910052	PC-Keyboard and Mouse
VZ 910165	PC Flat Screen 22 inch (TFT Standard)
VZ 910192	Simultaneous Display Unit 40"
VZ 955244	Rotatable & Folding Wall Holder for TFT
VZ 910193	HDMI Cable 5 m
VZ 910179	HDMI Cable 15 m
VZ 910180	HDMI Cable
VZ 910181	HDMI-Splitter 4-Port
VZ 910091	DIN A4 Ink Jet Colour Printer
VZ 955295	FTS 2018
VZ 955296	Docking Station for FTS 2018
VZ 955237	AP transm./receiver unit (indoor access point)
VZ 955287	Automatic license plate Recognition
VZ 955291	Distance Sensor for Licence Plate Recognition
VZ 955289	Full-HD Outdoor Network IP Camera
VM 999005	Hydraulic Oil (HLP-D 32) per litre
VM 995148	Routine Test/Calibration Truck
VM 995679	Montage Analog-, Digital-, Simultananzeige
VM 996114	Pre-assembly MBT 4000/5000/6000/7000

ACCESSORIES:

VM 996115	Connection and Calibrat. MBT 4000/5000/6000/7000
VV 997027	Packing installation frame for pit -Europe-
VV 997228	Packing installation frame for pit -overseas-
VV 997555	Packing brake tester MBT 4-/7000 -Europe-
VV 997556	Packing brake tester MBT 4-/7000 -overseas-
VV 997432	Packing load simulator -Europe-
VV 997222	Packing hydraulic load simulator -overseas-
VZ 997411	Extra charge f. connection of weighing system
VV 997262	Packing simultaneous display -Europe-
VV 997263	Packing simultaneous display -overseas-
VV 997472	Packing PC-Desk -Europe-
VV 997473	Packing PC-Desk -overseas-
VM 996055	Cable Form Extension 10m MBT4000-/7000-Series
VM 996056	Cable Form Extension 20m MBT4000-/7000-Series