

# MBT 2200 LON

## BRAKE TESTING TECHNOLOGY



## MBT-SERIES

VP 210113

Roller-Brake-Tester up to 3500 kg axle load

### DESCRIPTION:

Test lane-enabled roller brake tester with multi-analogue display for cars and vans with an axle load of up to 3500 kg

- Basic module for setting up a test lane thanks to optional possibility of connecting additional EURO floor units
- Especially suitable for acceptance and diagnostic lanes
- For cars and vans weighing up to 3500 kg and with a track width of 2200 mm, plus those weighing up to 5 t and with a track width of 2800 mm as an option.
- When used with the optional lifting device, perfectly suitable for checking multi-axle car trailers.
- Multi-analogue display with two pointer indicators (Diameter: 2 x 350 mm)  
Display option for:
  - Brake tester
  - Wheel arch tester
  - Shock absorption tester
- Difference display (three-digit + LED bar) for evaluating:
  - Difference in braking force
  - Difference in shock absorption
  - Deviation in wheel arch
- Program control using 32-bit microprocessor electronics enables the finest resolution for the measurement results
- Dimensions of standard display (H x W x D) 630 x 870 x 240 mm
- Dimensions of display with option\* (H x W x D) 910 x 870 x 300 mm
- \* All-wheel, VARIODATA or running text digital 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
- 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]
  - RS 2 roller set design
  - Self-supporting closed roller set
  - Hot-dip galvanized design

### STANDARD DELIVERY:

- Analogue display with two pointer indicators and an integrated switch cabinet
- MBT 2000 RS 2 roller set with preparation for weighing equipment

## TECHNICAL DATA:

Axle load (can be driven over)	3500 kg
Track width	780 mm - 2200 mm
Test speed	5 km/h
Measurement value display	0 N - 8000 N
Roller diameter	202 mm
Roller axle distance	400 mm
Motor power	2 x 3 kW
Fuse gG	25 A
Power supply	3/N/PE 400 V 50 Hz
Dimensions roller set (L x W x H)	2320 mm x 680 mm x 280 mm

## ACCESSORIES:

VZ 955278	Add-on Kit Directive 2011 Roller Brake Testers
VZ 935110	Plastic-Coated Roller Surface
VZ 930067	Reinforced roller set for Axle load 4 t
VZ 930068	Roller Set up to 5 t Axle Load
VZ 935182	Roller set cover 4 t drive over Removable
VZ 935068	Roller Heating
VZ 930040	Divided Roller Set for Installation in Pit
VZ 930041	Autom. pneum. lifting device w. light barrier
VZ 935243	Roller Set Elevation MBT 2000/5
VZ 910190	Control Unit for Roller Set Raiser MBT 2000
VZ 935069	Angle iron frame if tester is suspended in ceiling
VZ 975895	Set of Drive-On Ramps
VZ 975896	Set of Drive-Over Ramps
VZ 975073	Roller set covers for motorcycle brake testing
VZ 935233	Aluminium Footrests for Motorcycle Testing
VZ 975557	Stat./Dynamic Load Scales for undivided Roller Sets
VZ 975559	Stat./Dynamic Load Scales for divided Roller Sets
VZ 935132	Driving and Testing Directions manually selectable
VZ 935228	Rot./meas. direct. via softw. mod. drive control
VZ 911294	Sequencer Drive Control Pro
VZ 911295	Soft-Start Module, for gentle starting
VZ 990355	Regulator set for 4WD, Visco and Rigid
VZ 935114	DC Brake for MBT 2000/3000 Roller Sets
VZ 935066	Star-Delta Starter
VZ 990352	Special voltage 3 x 230V 50/60Hz
VZ 955256	Wall holder for Multi-analog display 2 or 4
VZ 955257	Foot for display cabinet 2 or 4
VZ 950055	Simultaneous Display MSA C CLASSIC
VZ 950056	Simultaneous Display MSA C VARIODATA
VZ 955252	Differential display for Simultaneous Display MSA
VZ 955253	Display module VARIODATA
VZ 955254	LED-running letters (16 digits)
VZ 955269	Instal. kit to att. simultaneous display MSA to wall
VZ 955255	Wall holder for Simultaneous Display MSA
VZ 955270	Foot for Simultaneous Display MSA
VZ 955271	Support f. simultaneous display MSA CLASSIC

VZ 950064	Display and Control Cabinet Installed Separately
VZ 910152	Data printer Thermoprint
VZ 910053	DIN A4 DOT Matrix printer
VZ 910153	Radio remote control RECO1
VZ 910047	Infrared Remote Control IFB3
VZ 990050	Pedalforce Meter
VP 990434	Pedalforce Meter PFM 1000
VZ 955080	Thermo-controlled heater f. electro-cabinet
VZ 911264	Software LON Basic for external PC
VZ 910140	USB/RS 232 converter for connection to PC
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 955045	Emergency Switch
VZ 955088	Key Switch for Emergency Stop
VZ 955014	Working hour meter
VM 995147	Routine Test/Calibration Car
VM 995679	Montage Analog-, Digital-, Simultananzeige
VM 996198	Pre-installation Roller Set Elevation for Cars
VM 996117	Pre-installation Brake Tester MBT 2000/3000
VM 996118	Connection and Calibration MBT 2000/3000
VM 999005	Hydraulic Oil (HLP-D 32) per litre
VW 997557	Packing Brake Tester MBT 2000 Europe
VW 997558	Packing Brake Tester MBT 2000 Overseas
VW 997472	Packing PC-Desk -Europe-
VW 997473	Packing PC-Desk -overseas-
VM 996053	Cable harness ext. f. MBT 2000/3000 Series, 5 m
VM 996054	Cable Harness Ext. f. MBT 2000/3000 Series, 10m