

# BRAKE TESTING TECHNOLOGY MBT 6000 SERIES

**MBT 6200 LON W CLASSIC**  
VP 510008



## MBT 6200 LON W CLASSIC VP 510008

The roller brake tester MBT 6200 LON W CLASSIC is designed for the brake testing of agricultural and special-purpose vehicles with axle loads of up to 18.0 t. It optimally meets the requirements of vehicles with large wheel dimensions thanks to the increased centre distance between rollers. In addition, the significantly raised test rollers prevent the wheel from jamming on the frame, even when testing vehicles with low-pressure tyres.

### PRODUCT DETAILS/ACCESSORIES

Description of the MBT 6200 LON:  
Roller brake tester, particularly for agricultural vehicles and special vehicles with an axle load of up to 18 t

- The large roller axle distance means it is designed particularly for agricultural vehicles or special vehicles with large wheel dimensions.
- The considerably elevated test rollers prevent the wheel from jamming on the frame, even when testing vehicles with low-pressure tyres
- DC brake supplied as standard makes it easier to drive on and off with the axle driven by the vehicle.
- Multi-analogue display with two pointer indicators

(Diameter: 2 x 350 mm)

- Measured value display 0 - 4 kN / 0 - 40 kN

- Display option for:
  - Brake tester
  - Wheel arch tester
  - Shock absorption tester
- Difference display (three-digit + LED bar) for displaying:
  - Difference in braking force in %
  - Difference in shock absorption in %
  - Deviation in wheel arch in m/km
  - Results evaluation using additional coloured LED bars
  - User guidance using alphanumeric display
- Program control using 32-bit microprocessor electronics

enables the finest resolution for the measurement results

Dimensions of display (H x W x D) 910 x 870 x 300 mm

- 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]
  - Star-delta circuit to avoid high inrush currents
  - Centre cover between the roller sets
  - RS 1 roller set design with motors on the side
  - Rear roller elevated by 50 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

Scope of delivery:

- Analogue display with two pointer indicators and an integrated switch cabinet
- MBT 6000 RS 1 roller set with preparation for weighing equipment

### TECHNICAL DATA

Axle load (can be driven over)

18000 kg

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## TECHNICAL DATA

Min. track	400 mm
Max. track	3600 mm
Drive power	2 x 11 kW
Test speed	3 km/h
Roller length	1600 mm
Roller diameter	265 mm
Roller axle distance	685 mm
gG fuse	63 A
Power supply	3/N/PE 400 V 50 Hz
Dimensions of roller set (L x W x H)	5580 x 1340 x 370 mm

## ACCESSORIES

VZ 955278	Add-on Kit Brake Tester Directive Model: Directive 2011
VZ 935239	Angle Iron Frame for MBT 6000 for Weighing Machine Surface Mounted Version, Galv.
VZ 935240	Angle Iron Frame for MBT 6000 for Weighing Machine w/o Pit
VZ 935241	Angle Iron Frame for MBT 6000 for Weighing Machine w/o Pit, galvanized
VZ 935242	Rollensatzabdeckung (6 Stck.), überfahrbar, für MBT 6000 verzinkte Stahlausführung
VZ 930087	Set of Ramps for MBT 6000 (4 pcs. only in conjunction with frame VZ 935239)
VZ 975547	Weighing device STATIC for MBT 4000/6000/7000
VZ 975548	Weighing device STATIC/ DYNAMIC for MBT 4000/6000/7000
VZ 935110	Plastic-Coated Roller Surface (Standard Production - Welded)

### CONTROLLING SYSTEM AND SPECIAL VOLTAGE

VZ 935072	Driving and Testing direction manually switchable at console
VZ 935134	Driving in both directions
VZ 990350	Special voltage 3 x 230 V 50Hz

### ACCESSORIES ANALOG-/SIMULTAN- EOUS DISPLAYS

VZ 955257	Foot for display cabinet for free-standing installation
VZ 955256	Wall holder for Multi-analog display 2 or 4, 180° swivable
VZ 950057	Simultaneous Display for MBT 4000/7000 LON/-EUROSYSTEM TYP: MSA T CLASSIC
VZ 950058	Simultaneous Display for MBT 4000/7000 LON/-EUROSYSTEM TYP: MSA T VARIODATA
VZ 950059	Simultaneous Display for MBT 4000/7000 LON/-EUROSYSTEM TYP: MSA T COMPETENCE
VZ 955252	Differential display for Simultaneous Display MSA
VZ 955253	Display module VARIODATA
VZ 955254	LED-running letters (16 digits) with convenient operator guidance
VZ 955269	Installation Kit to attach Simultaneous Display MSA to Wall (approx. 90° swivable)
VZ 955255	Wall holder for Simultaneous Display MSA (approx. 180° swivable)
VZ 955270	Foot for Simultaneous Display MSA, (approx. 180° swivable) for free-standing installation
VZ 955271	Support for Simultaneous Display MSA CLASSIC, for Inst. to Communication Desk MCD

VZ 950064	Display and Control Cabinet Installed Separately
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### ACCESSORIES PRINTER AND REMOTE CONTROLS

VZ 910153	Radio remote control MODEL: RECO 1 incl. reception module
VZ 910047	Infrared Remote Control IFB3
VZ 990050	Pedal force meter
VP 990434	Pedalforce Meter MODEL: PFM 1000

### ACCESSORIES SAFETY SYSTEMS

VZ 955088	Key Switch for Emergency Stop
VZ 955045	Emergency Switch
VZ 955014	Working hour meter

### WEATHER PROTECTIVE ACCESSORIES

VZ 955080	Thermostat-Controlled Heater for Electro-Cabinet
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### ACCESSORIES PRESSURE EQUIPMENT AND RADIO EQUIPMENT

VZ 980034	Pneumatic pressure converter integrated into roller set measurement range 0 - 20 bar
VZ 980035	Start set radio controlled pressure converter
VZ 910154	Radio remote control Model: FFB3 incl. reception module
VZ 910156	Radio remote control/Radio Hand-held terminal FFB3-FHT (-EXTRA CHARGE to FFB3-)
VZ 980029	Pneum. Radio-Controlled Pressure Converters, Meas. Range 0 - 20 bar, MODEL: RCD 40
VZ 985028	Hydr. Radio-Controlled Pressure Converters, Range: 0 - 160 bar MODEL: RCD 30 - 160 bar
VZ 955071	Flashing Light with Periodical Signal Horn for Radio Controlled Pressure Converters
VZ 990090	Warning Lamp f. Radio-Control. Pressure Converters when being removed from Re-Charging Box

### ADDITIONAL SOFTWARE FOR LON

VZ 911264	Software LON Basic for external PC
VZ 911265	Software module LON Basic Plus with SP-Program Basic of Software BASIC-LON
VZ 910140	USB/RS 232 Converter for Connection to PC/ Laptop w/o. RS 232 Interface -NET-

### ACCESSORIES HARD- AND SOFTWARE

VZ 910177	Industrial PC Compact with Windows 10 -NET PRICE
VZ 955275	Holder for Compact/Performance PC, suitable for placement inside MCD 2000 desk
VZ 910052	PC Keyboard and Mouse -NET PRICE
VZ 910200	PC Flat screen 24 VGA/DVI/HDMI, (TFT standard) -NET PRICE-

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VZ 910192	LCD simultaneous display unit 40 incl. pedestal; HDMI -NET PRICE-	VT 998253	Transport Werkverkehr -SÜDSimultananzeige, MCD Schaltschrank (pro Stück)
VZ 955244	Rotatable & Folding Wall Holder f. TFT Industrial- or TV Flat Screens (up to 42)	VT 998254	Transport Werkverkehr -NORDSimultananzeige, MCD Schaltschrank (pro Stück)
VZ 910193	HDMI Cable 5 m -NET PRICE	VT 998259	Transport Werkverkehr -SÜDEinbaurahmen Bremsprüfstand ungeteilt
VZ 910179	HDMI Cable 15 m -NET PRICE	VT 998260	Transport Werkverkehr -NORDEinbaurahmen Bremsprüfstand ungeteilt
VZ 910180	HDMI Cable 30 m -NET PRICE	VM 996113	Assembly costs Brake Tester MBT 4250/-7250 LON MBT 5200/-6200
VZ 910181	HDMI Splitter, 4-port incl. 2 m cable -NET PRICE	VM 995148	Routine Test/Calibration acc. to Verkehrsblatt 99/2022 Truck Brake Tester
VZ 910091	A4 Ink jet colour printer (incl. printer cable) -NET PRICE-	VM 996090	Assembly Costs Radio Pressure Converters (max. 10 pcs.) per unit/recharging box
VZ 955299	Tablet PC Rugged (industrial standard) MODEL: C_Tablet-PC -NET PRICE-	VM 996177	Montagekosten Funk-Touchscreen FTS -bei Neuinstallation
VZ 955318	Docking station as charger incl. power supply unit for C_Tablet-PC -NET-	VM 995679	Assembly Costs per Display Unit (LON/ EUROSYSYSTEM)
VZ 955237	AP Transmitter/Receiver Unit (Indoor Access Point)	VM 996114	Pre-assembly Brake Tester MBT 4000/5000/6000/7000 with 20m cable
<b>SUPPLEMENTARY CHARGES</b>		VM 996115	Connection and Calibration MBT 4000/5000/6000/7000 with 20 m cable
VT 998283	Transport Werkverkehr -SÜDMBT, MSD -geteilt/ Split-		
VT 998284	Transport Werkverkehr -NORDMBT, MSD -geteilt/ Split-		