BRAKE TESTING TECHNOLOGY
MBT 6000 SERIES

MBT 6200 LON W CLASSIC
VP 510008

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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:
  - Braketester
  - 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 alphanumerical 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 avoidtyre damage
  - Automatic slip cut-off with pointer stop and automatic restart already included as standard
  - Static exit aid for safe and convenient exit, even when the test stand is switched off
  - 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 149/2021 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

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TECHNICAL DATA

Axle load (can be driven over)	18000 kg
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 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	Roller set cover (6 pcs), traversable, for MBT 6000 galv. steel design
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)
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
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	Simultanous Display for MBT 4000/7000 LON/-EUROSYSTEM TYP: MSA T CLASSIC
VZ 950058	Simultanous Display for MBT 4000/7000 LON/-EUROSYSTEM TYP: MSA T VARIODATA
VZ 950059	Simultanous Display for MBT 4000/7000 LON/-EUROSYSTEM TYP: MSA T COMPETENCE
VZ 955252	Differential display for Simultanous Display MSA
VZ 955253	Display module VARIODATA
VZ 955254	LED-running letters (16 digits) with convenient operator guidance
VZ 955269	Installation Kit to attach Simultanous Display MSA to Wall (approx. 90° swivalable)
VZ 955255	Wall holder for SimultanousDisplay MSA (approx. 180° swivalable)
VZ 955270	Foot for Simultanous Display MSA, (approx. 180° swivalable) 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
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
VZ 955088	Key Switch for Emergency Stop
VZ 955045	Emergency Switch
VZ 955014	Working hour meter
VZ 955080	Thermostat-Controlled Heater for Electro-Cabinet
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 980050	Pneum. Radio-Controlled Pressure Converters, Meas. Range 0 - 20 bar, MODEL: C_RCD 50
VZ 985064	Hydr. radio pressure converter, range: 0 - 160 bar MODEL: C_RAH 10-2 - 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
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-
VZ 910208	Industrial PC Compact with Windows 11 -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-
VZ 910192	LED simultaneous display unit 43 incl. pedestal, HDMI -NET PRICE-
VZ 955244	Rotatable & Folding Wall Holder f. TFT Industrial- or TV Flat Screens (up to 47)
VZ 910193	HDMI Cable 5 m -NET PRICE-
VZ 910179	HDMI Cable 15 m -NET PRICE-
VZ 910180	HDMI Cable 30 m -NET PRICE-
VZ 910181	HDMI Splitter, 4-port incl. 2 m cable -NET PRICE

VZ 910091	A4 Ink jet colour printer (incl. printer cable) -NET PRICE-
VZ 955299	Tablet PC Rugged (industrial standard) MODEL: C_Tablet-PC -NET PRICE-
VZ 955318	Docking station as charger incl. power supply unit for C_Tablet-PC -NET-
VZ 955237	AP Transmitter/Receiver Unit (Indoor Access Point)

SUPPLEMENTARY CHARGES

VT 998283	Internal transport -SOUTHMBT, MSD -Two-piece/ Split-
VT 998284	Internal transport -NORTHMBT, MSD -Two-piece/ Split-
VT 998253	Internal transport -SOUTHSimultaneous display, MCD Control cabinet (per pce)
VT 998254	Internal transport -NORTHSimultaneous display, MCD Control cabinet (per pce)
VT 998259	Internal transport -SOUTHInstallation frame Brake tester Compact
VT 998260	Internal transport -NORTHInstallation frame Brake tester Compact
VM 996113	Assembly costs Brake Tester MBT 4250/-7250 LON MBT 5200/-6200
VM 995148	Routine Test/Calibration acc. to VkBl. 149/2021 Truck Brake Tester
VM 996090	Assembly Costs Radio Pressure Converters per unit/recharging box
VM 996177	Installation costs C_Tablet-PC -for new installation
VM 995679	Assembly Costs per Display Unit (LON/ EUROSYSTEM)
VM 996114	Pre-assembly Brake Tester MBT 4000/5000/6000/7000 with 20m cable
VM 996115	Connection and Calibration MBT 4000/5000/6000/7000 with 20 m cable