BRAKE TESTING TECHNOLOGY
MBT 3000 SERIES

MBT 3200 LON
VP 410127

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The test-lane-compatible roller brake tester MBT 3200 LON is designed for the brake testing of cars, vans and light-duty trucks with axle loads of up to 8.0 t. Its standard test speed of 5 km/h complies with the country-specific legal requirements for testing cars and light-duty trucks. Its multi-analogue display, with two pointer gauges, enables the display of brake, side-slip and shock absorption test results.

PRODUCT DETAILS/ACCESSORIES

Description of the MBT 3200 LON:
Test lane-enabled roller brake tester with Multi-analogue display particularly for cars, vans and light lorries with an axle load of up to 8.0 t

- Thanks to 8 t axle load and 2800 mm track width, particularly suitable for vans and light lorries
- As a test speed of 5 km/h is supplied as standard, both cars and light lorries can be tested in compliance with legislation.
- Multi-analogue display with two pointer indicators (Diameter: 2 x 350 mm) and an integrated switch and electrical cabinet
  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 display (H x W x D) 910x 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
  - Static exit aid for safe and convenient exit, even when the test stand is switched off
  - Automatic cut-off after exiting thetester
  - 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 underall 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 comfortand 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
  - Self-supporting closed 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 3000 roller set withpreparation for weighing equipment

TECHNICAL DATA

Axle load (can be driven over)	8000 kg
Min. track	870 mm
Max. track	2800mm

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TECHNICAL DATA

Drive power	2 x 5.5 kW
Test speed	5 km/h
Measuring range	10 kN
Roller diameter	202 mm
Roller axle distance	400 mm
gG fuse	35 A
Power supply	3/N/PE 400 V 50 Hz
Dimensions of roller set (L x W xH)	2925 x 680 x 280 mm

ACCESSORIES

VZ 930040	Divided Roller Set for Installation in Pit
VZ 975546	Weighing system STAT./DYN. for roller set MBT 3000
VZ 935068	Roller Heating
VZ 935174	Roller cover for MBT 3000 series, 4 t traversable
VZ 930041	Automatic Pneumatic Lifting Device with light barrier for MBT 2xxx/3000
VP 930057	Foundation formwork galv., for MBT 2000 RS5/ C_MBT C W280
VZ 935110	Plastic-Coated Roller Surface (Standard Production - Welded)
VZ 935132	Driving and Testing Directions manually selectable both sides or one side
VZ 935133	Driving and Testing Directions of Single Wheel selectable via Remote Control
VZ 990355	4 wheel drive regulator set for Visco and Rigid 4 wheel drive
VZ 990352	Special voltage 3 x 230 V 50/60Hz
VZ 955257	Foot for display cabinet for free-standing installation
VZ 955256	Wall holder for Multi-analog display 2 or 4, 180° swivable
VZ 950055	Simultaneous Display for MBT 2000/3000 LON/- EUROSYSTEM Model: MSA C CLASSIC
VZ 950056	Simultaneous Display for MBT 2000/3000 LON/- EUROSYSTEM MODEL: MSA C VARIODATA
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 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 910140	USB/RS 232 Converter for Connection to PC/ Laptop w/o. RS 232 Interface -NET-
VP 186050	Communication Desk EUROSYSTEM Car/Truck (w/o electronics) Model: MCD 2000
VZ 955273	Printer Compartment for Communication Desk EUROSYSTEM MCD 2000
VZ 955274	Side Shelf for Comm. Desk EUROSYSTEM MCD 2000
VZ 955277	External PC Storage Shelf for Communication Desk EUROSYSTEM MCD 2000
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 998281	Internal transport -SOUTHMBT W250/RS4/W280/ RS5, C13.0 MSD-Plus -One-piece/Compact-
VT 998282	Internal transport -NORTHMBT W250/RS4/ W280/RS5, C13.0 MSD-Plus -One-piece/ Compact-
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)
VM 996116	Installation costs Brake TesterMBT 2200 LON, MBT 3200
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 996088	Installation costs for 4WD-drive control kit for new installations
VM 996177	Installation costs C_Tablet-PC -for new installation
VM 995679	Assembly Costs per Display Unit (LON/ EUROSYSTEM)
VM 996117	Pre-installation Brake Tester MBT 2000/3000 with 10 m cable
VM 996118	Connection and Calibration Brake tester MBT 2000/3000 with 10 m cable