BRAKE TESTING TECHNOLOGY
MBT 4000 SERIES

MBT 4200 LON W CLASSIC
VP 410155



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The test-lane-compatible roller brake tester MBT 4200 LON W CLASSIC is designed for the brake testing of trucks with axle loads of up to 13.0 t. Its standard split design for pit installation ensures a high level of flexibility within the working area. 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 4200 LON:
Test lane-enabled roller brake tester with multi-analogue display for lorries with an axle load of up to 13 t

- 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
- 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 %
  - Differencein 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 thefinest resolution for the measurement results
* Dimensions of display (H x W x D) 910 x 870 x 300 mm
Dimensions of display with option* (W x H x D) 1060 x 870 x 300 mm

- * With all-wheel regulation set

*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 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 along 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
  - RS 2 roller set designwith 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
  - Varnishedwith high-quality powder coating: Anthracite Grey, RAL 7016

Scope of delivery:
- Analogue display with two pointer indicators and an integrated switch cabinet
- MBT 4000 RS 2 roller set with preparation for weighing equipment

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TECHNICAL DATA

Axle load (can be driven over)	13000 kg
Drive power	2 x 9 kW
Test speed	2.3 km/h
Roller length	1000 mm
Roller diameter	202 mm
Roller axle distance	430 mm
gG fuse	50 A
Power supply	3/N/PE 400 V 50 Hz

ACCESSORIES

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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