

# BRAKE TESTING TECHNOLOGY MBT 1000 SERIES

**MBT 1000 EUROSYSYSTEM**  
VP 610012



## MBT 1000 EUROSYSYSTEM VP 610012

The roller brake tester MBT 1000 EUROSYSYSTEM is designed for the brake testing of two and four-wheeled vehicles such as motorcycles, trikes and quads with axle loads of up to 1 t. Thanks to the short distance between rollers, it is also especially suitable for the inspection of small two-wheelers. Its modular MAHA design allows for an optional motorcycle clamping and holding device for front and rear wheels, the clamping jaws of which ensure easy testing that is gentle on the rims.

### PRODUCT DETAILS/ACCESSORIES

Description of the MBT 1000 EUROSYSYSTEM Roller brake tester for motorcycles with a wheel load of up to 1 t

- Short roller axle distance means it is particularly suitable for testing motorcycles.
- Supplied as standard with tyre-preserving MAHA plastic coating on test rollers, specifically coordinated to the tyres
- MAHA modular design with optional motorcycle clamping and holding device for the rear and front wheels with removable clamping jaws for simple testing that is kind to the rims.
- MAHA modular design with optional extension roller set allows for testing of two and three-track vehicles (trike, quad, etc.)
- Supplied as standard with tyre-preserving MAHA plastic coating on test rollers, specifically coordinated to the soft two and three-wheel-specific tyres
- Operating panel with the following comprehensive functions:
  - Start, stop, emergency stop
  - Operation of the clamping and holding device,
  - Operation of the lifting bar
- Comprehensive package of functions for professional testing, such as:
  - Automatic start-up monitoring supplied as standard to avoid tyre damage
  - Automatic slip cut-off with pointer stop
  - Automatic cut-off after exiting the tester
  - Manual start-up control for safe handling
  - Lifting bar with roller brake makes it easier to drive off with the driven wheel
- Can be extended with foot and hand force sensor as an option for differentiated analysis of the motorcycle braking system
- Round instrument display for the braking force
- Continuous and graphic display and recording of all the measured values using time.
- 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
- Varnished with high-quality powder coating: Anthracite Grey, RAL7016

Description of the MCD 2000 communication desk:

- Robust and multifunctional metal casing
- Integrated switch cabinet for housing electronic components
- Lockable drawer for keypad and PC mouse, plus storage compartment for small items of equipment
- VESA standard bracket for holding the all-in-one PC or PC monitor
- Can be extended with optional PC storage compartment or side shelves
- Varnished with high-quality powder coating: window grey, RAL 7040 (switch cabinet) anthracite grey, RAL 7016 (side faces)

Dimensions of  
communication desk (HxWxD)      approx. 1230 x 860 x 350 mm  
with printer compartment  
option (HxWxD)                      approx. 1560 x 860 x 420 mm

Scope of delivery:

- MCD 2000 communication desk with integrated switch cabinet
- MBT 1000 RS 1 roller set with preparation for weighing equipment

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## TECHNICAL DATA FOR ROLLER SET

Wheel load (can be driven over)	1000 kg
Drive power	3 kW
Test speed	5 km/h
Measured value display	0 - 3 kN
Roller length	350 mm
Roller diameter	202 mm
Roller axle distance	380 mm
Min. testable wheelbase	800 mm
Max. testable wheelbase	1500 mm
gG fuse	25 A
Power supply	3/N/PE 400 V 50 Hz
Dimensions of roller set (L x W x H)	1150 x 700 x 280/315* mm

(\*315 mm height only in conjunction with LPS)

## ACCESSORIES

VZ 930091	Expansion Roller Set RS 2 for Trikes/Quads -EXTRA CHARGE-	VZ 910180	HDMI Cable 30 m -NET PRICE-
VZ 935136	Static+Dynamic Weighing System for MBT 1000 Roller Set (control module included)	VZ 910181	HDMI Splitter, 4-port incl. 2 m cable -NET PRICE
VZ 975002	Special voltage 3 x 230 V 50/60 Hz	VZ 910091	A4 Ink jet colour printer (incl. printer cable) -NET PRICE-
VZ 910047	Infrared Remote Control IFB3	VZ 990050	Pedal force meter
VZ 935262	Pneumatic Motorcycle Holding Device, pneumatic, set of 2	VZ 990253	Connection Adapter f. MBT 1000 for Simultaneous Measurement of Hand Lever + Pedal Force
VZ 975783	Aluminium Footrests for MBT 1000 (2 pcs)	VZ 990252	Hand Lever Adapter for Pedal Force Meter to measure Hand Lever Force of Brake Systems
VZ 975770	Ramp Set MBT 1000 RS1 for entry and exit sides	VZ 912030	Connection Module for Equipment
VZ 975771	Expansion Ramp Set MBT 1000 RS2 -EXTRA CHARGE for entry and exit sides	VZ 955045	Emergency Switch
VZ 975772	Extension Ramp Set MBT 1000 RS1 -EXTRA CHARGE instead of Holding Device	VZ 955088	Key Switch for Emergency Stop
VP 186050	Communication Desk EUROSYSYSTEM Car/Truck (w/o electronics) Model: MCD 2000	VZ 955014	Working hour meter
VZ 955273	Printer Compartment for Communication Desk EUROSYSYSTEM MCD 2000	<b>SUPPLEMENTARY CHARGES</b>	
VZ 955274	Side Shelf for Comm. Desk EUROSYSYSTEM MCD 2000	VT 998279	Transport Factory traffic -SOUTH- (Germany only) MBT W220/RS2, MSD -Compact-
VZ 955277	External PC Storage Shelf for Communication Desk EUROSYSYSTEM MCD 2000	VT 998280	Transport Factory traffic -NORTH- (Germany only) MBT W220/RS2, MSD -Compact-
VZ 910208	Industrial PC Compact with Windows 11 -NET PRICE	VT 998253	Internal transport -SOUTH-Simultaneous display, MCD Control cabinet (per pce)
VZ 955275	Holder for Compact/Performance PC, suitable for placement inside MCD 2000 desk	VT 998254	Internal transport -NORTH-Simultaneous display, MCD Control cabinet (per pce)
VZ 910052	PC Keyboard and Mouse -NET PRICE	VM 996179	Montagekosten MBT 1000 pausch. (Montagemehraufwand wird zusätzlich berechnet)
VZ 910200	PC Flat screen 24 VGA/DVI/HDMI, (TFT standard) -NET PRICE-	VM 995147	Recurring calibration/ inspection acc. to German VkBl. 149/2021
VZ 910192	LED simultaneous display unit 43 incl. pedestal, HDMI -NET PRICE-	VM 995679	Assembly Costs per Display Unit (LON/ EUROSYSYSTEM)
VZ 955244	Rotatable & Folding Wall Holder f. TFT Industrial- or TV Flat Screens (up to 47 )	VM 996180	Installation costs Motorcycle holding device MBT 1000
VZ 910193	HDMI Cable 5 m -NET PRICE-	VM 997101	Connection and Calibration MBT 1000 with 12 m cable set
VZ 910179	HDMI Cable 15 m -NET PRICE-		