

# BRAKE TESTING TECHNOLOGY

## MBT 1000 SERIES

### MBT 1000 EUROSYSYSTEM VP 610012



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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, RAL 7016

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

#### TECHNICAL DATA FOR ROLLER SET

Wheel load (can be driven over)	1000 kg
Drive power	3 kW

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## TECHNICAL DATA FOR ROLLER SET

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 955278 Add-on Kit Brake Tester Directive Model: Directive

2011