

# BM1010 MOTORCYCLE BRAKE TESTER

- for 2-, 3- and 4-Wheeled Motorcycles



- Both in-ground and on-ground applications.
- Mobile trailer solution.
- Unique wheel clamp system with dynamic wheel pressure force.
- IT system using latest app technology for smartphone and tablet.
- 3-phase and 1-phase power supply.

# BM1010 Motorcycle Brake Tester

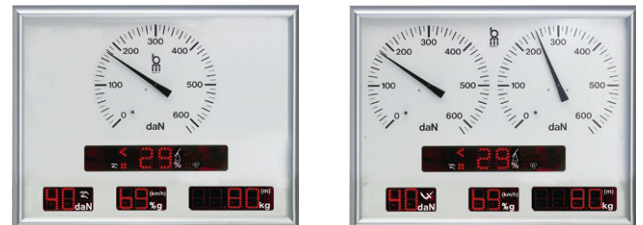
BM1010 is the brake tester series for test of most 2-, 3-, and 4-wheeled motorcycles. The series is modularly designed and based on three types of hot galvanized roller beds with different roller lengths: 300 mm, 600 mm, and 1000 mm.

All models below can optionally be supplied with a number of key options e.g. automatic weight system, infrared remote control, printer, physical display, Android or Windows phone or tablet with readings of brake force efficiency and brake force imbalance in %.

All models can be expanded with separate speed testers with self-drive: measurement 0 - 160 km/h.

Physical display options:

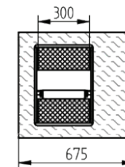
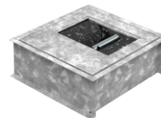
- Analogue readout of brake forces
- Digital indication of wheel lock/ rotation
- Digital readout of weight
- Digital readout of efficiency
- Dimensions: 735 x 500 x 140 mm



## MC Test



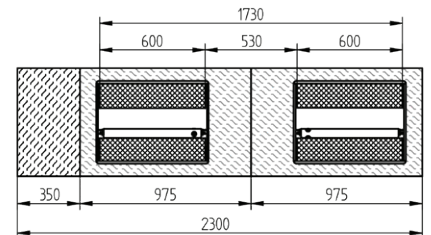
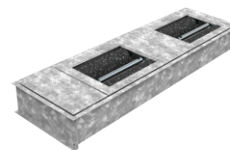
- One hot galvanized roller bed with 300 mm rollers.
- Optional subframe for easy installation.
- Brake force reading 0 - 600 daN.



## MC and ATV Test



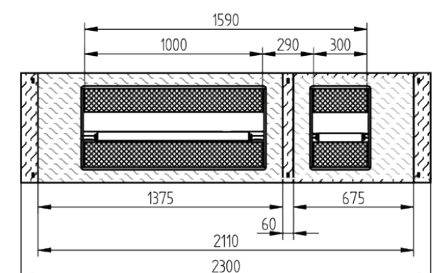
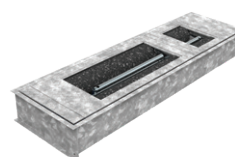
- Two hot galvanized roller beds with 600 mm rollers.
- Optional subframe for easy installation.
- Brake force reading 0 - 600 daN each side.



## MC, ATV and 3-Wheeler Test



- Two hot galvanized roller beds with 300 mm respective 1000 mm rollers.
- Optional subframe for easy installation.
- Brake force reading 0 - 600 daN each side.



# On-ground and In-ground Solution

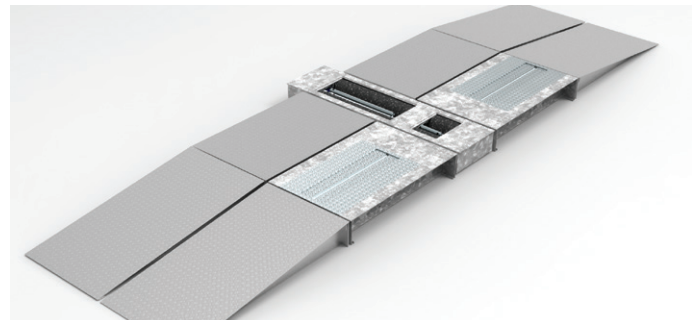
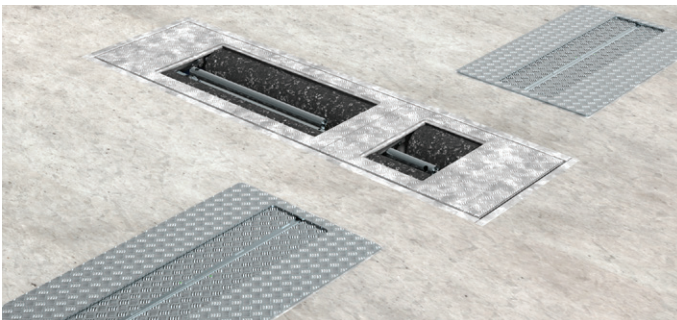
The BM1010 can be supplied as on-ground or in-ground solution for both MC, ATV and 3-wheeler vehicles.



Brake test of motorcycles, 3-wheelers and ATV.

The system can be combined with "Unique wheel clamp system with dynamic wheel pressure force".

For in-ground applications, the BM1010 brake tester can be expanded with a BM200 speedometer rollerbed. The BM200 speedometer tester is equipped with an electrical motor, which allows for self-drive speedometer test on motorcycles with speed-sensor located on the front wheel. BM200 can measure speed between 0 and 160 km/h.



The BM1010 is designed for both in-ground and on-ground installation.

## BM FlexCheck

### Collecting and Processing of Periodic Technical Inspection Data

BM FlexCheck is a Windows based software designed for collecting periodic technical inspection data from all equipment such as brake tester, suspension tester, side slip tester, emission tester, headlight tester, visual inspection points etc.

Data collection from these various test equipment is conducted using Android/Windows phone or tablet together with wireless transmission technology (WLAN and Bluetooth).

Data is transferred from the test equipment via the Android/Windows phone or tablet and is automatically captured and stored on the test lane PC. Data from the visual inspection is entered into the Windows phone or tablet and then automatically sent and stored on the test lane PC.

The periodic technical inspection report is printed from the lane PC and includes automatic PASS/FAIL evaluation on all inspection data according to country specific rules and legislations.



# - the safe choice

## Technical Data

BM1010 DESCRIPTION		
One unit roller bed	L x W x H	615 x 675 x 250 mm 615 x 975 x 250 mm 615 x 1125 x 250 mm 615 x 1375 x 250 mm
Rollers	Ø x L	182 x 300 mm 182 x 600 mm 182 x 750 mm 182 x 1000 mm
Maximum wheel weight	test/drive over	500 / 750 kg
Friction coefficient of roller from factory	dry/wet	Min 0.7/0.6
Distance between roller centres		350 mm
Gear motor size		1.1 kW
Max brake force measurement		400 daN
Test speed		1.0 km/h
Display	L x W x H	735 x 500 x 140 mm
Display brake force scale		0 – 620 daN
Brake force measuring accuracy		0 – 100 daN: ± 1 daN > 100 daN: ± 1 % FS
Weight measuring accuracy		0 – 100 kg: ± 2 kg > 100 kg: ± 2 % FS
Hand and pedal force measuring accuracy		0 – 100 daN: ± 1 daN
Power and fuses		3 x 400 Vac + N + PE Minimum 10 Amp  3 x 230 Vac + PE Minimum 16 Amp Minimum 10 Amp (MC)  1 x 230 Vac + N + PE Minimum 50 Amp Minimum 25 Amp (MC)

BM200 DESCRIPTION		
One unit roller bed	L x W x H	965 x 575 x 250 mm 965 x 875 x 250 mm 965 x 1025 x 250 mm 965 x 1275 x 250 mm
Roller diameter and length	Ø x L	179 x 300 mm 179 x 600 mm 179 x 750 mm 179 x 1000 mm
Maximum wheel weight drive over / Test		750 / 500 kg
Gear motor size		3.8 kW
Maximum self-drive speed		160 km/h
Maximum motor-drive speed		160 km/h

### BM AUTOTEKNIK A/S

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**BM**  
TEST EQUIPMENT

