

BM17200 ROLLER BRAKE TESTER

- for Light and Heavy Vehicles



BM17200 is a roller brake tester for light and heavy vehicles with the capacity of testing axle weights of up to 16000 kg axle load (optionally 20000 kg) and is designed for use by repair workshops and vehicle inspection companies.



BM17200 features a unique load simulation system for axle loads of up to 12000 kg. Simulation is done from the remote control by lifting the roller bed vertically via hydraulic power. The software ensures a dynamic adjustment of the applied load hence a constant axle load during the brake test. The vertical lift is a tilt movement, which causes a higher position of the rear rollers than the front rollers. Consequently, the wheels are better embedded and the design reduces the backward movement of the axle at high brake forces and wheel lock.

- Windows based display with large analogue readouts of brake force and easy-to-read 65 mm high digital readouts.
- Calculation of test results according the requirements of many national Authorities.

Options

The roller brake tester can be supplied with a wide range of options:



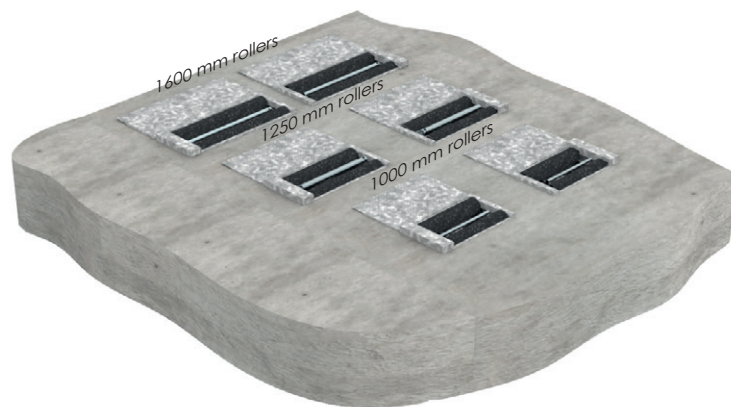
- Display mounting on column, wall or trolley.
- Android/Windows smartphone or tablet remote control and display.
- Infra red remote control.
- A4 printer for printouts or BM FlexCheck Windows software.
- Automatic measurement of the axle test weight and the vehicle's total weight and brake efficiency in %.
- Measurement of the vehicle's air pressure in the service, Pm and brake cylinder, Px.
- Brake matching of two or more vehicles (vehicle train).
- Test of ALB valve during brake test with chassis load system (CLS).
- Simulation of axle load by lifting the roller bed, thus avoiding the use of chains.



- the safe choice

Technical data

BM17200 DESCRIPTION		
Roller bed per side (1000 mm rollers)	L x W x H	1474 x 1255 x 645 mm
Roller bed per side (1250 mm rollers)	L x W x H	1474 x 1505 x 645 mm
Roller bed per side (1600 mm rollers)	L x W x H	1474 x 1855 x 645 mm
Subframe for split bed installation (1000 mm rollers)	L x W x H	1720 x 1320 x 650 mm
Subframe for split bed installation (1250 mm rollers)	L x W x H	1720 x 1570 x 650 mm
Subframe for split bed installation (1600 mm rollers)	L x W x H	1720 x 1920 x 650 mm
Roller diameter	Ø	208 mm
Roller length	L	1000/1250/1600 mm
Friction coefficient of roller from factory	dry/wet	Min. 0.7/0.6
Wheel span (can be customised)		850 to 2850/3350/4050 mm
Distance between rollers center		460 mm
Maximum test axel weight		16000 / 20000 kg
Gear motor		11/15 kW
Max. brake force measurement		4000/6000 daN
Test speed		2.3 km/h
Display	L x W x H	930 x 820 x 100 mm
Control box	L x W x H	760 x 600 x 210 mm
Brake force measurement accuracy		0 – 100 daN: ± 2 daN > 100 daN: ± 2 % FS
Weight measurement accuracy		0 – 100 kg: ± 2 kg > 100 kg: ± 2 % FS
Pedal force measurement accuracy		0 – 100 daN: ± 1 daN
Power and fuses		3 x 400 Vac + N + PE Minimum 50/80 Amp 3 x 230 Vac + PE Minimum 80/125 Amp



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