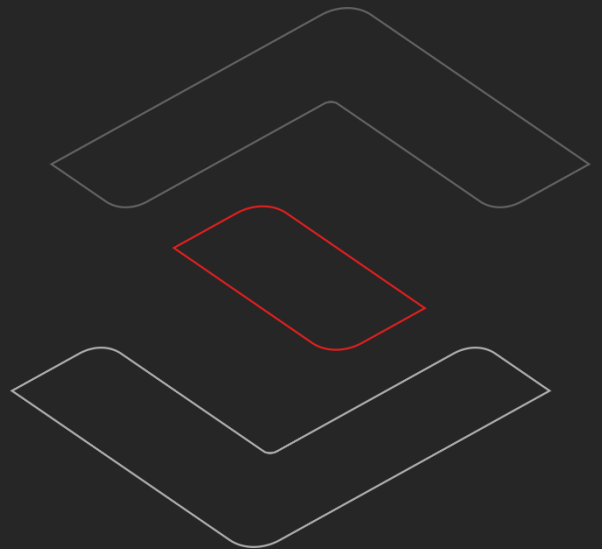
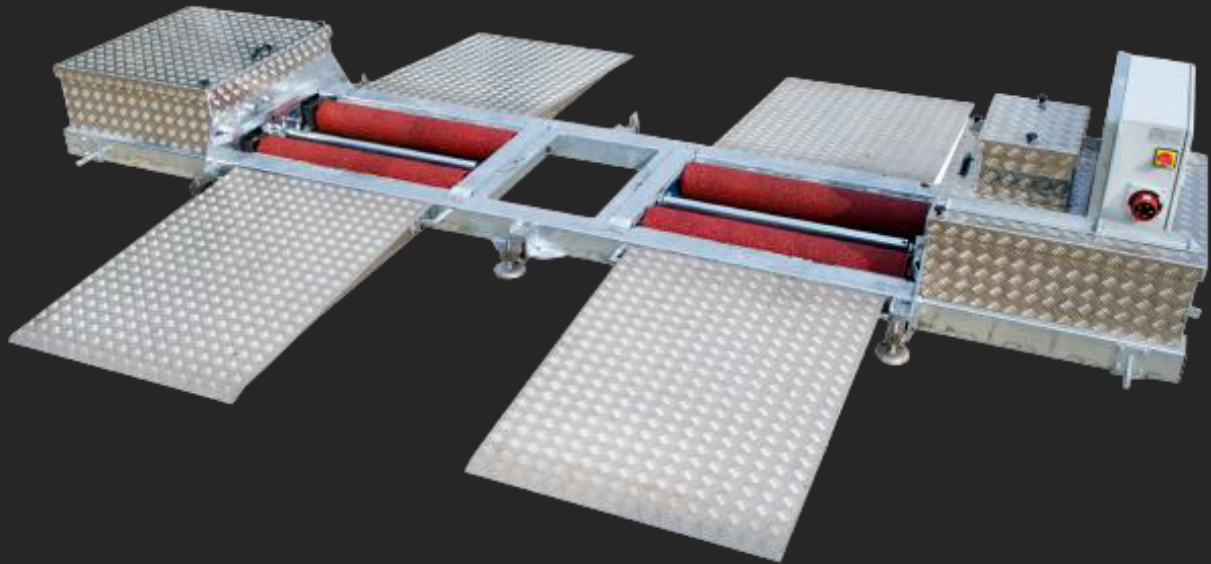


Roller Brake Tester for Cars and Commercial Vehicles

BPS Mobil 18.0



MODULES



Roller Brake Tester & Electrical / Control Box

- Mobile hot-dip galvanised roller set with plastic-coated drive rollers
- Attachable wheels and lifting / drawbar for mobile movement
- Planetary gear motors: Enormous motor power with minimal power connection values
- Wear-free, electronic DMS measuring system with shear force transducer
- Control box with with motor protection switch, control electronics, operating elements and main switch lockable

DISPLAY MODES



Pointer Analog Display (with optional LED displays)

- Mobile pedestal
- Large, easy to read pointer analog display
- Brake force display with two measuring ranges 0-6 / 0-40 kN (electronic switching)
- Signal lamps for measurement range display and slip switch-off
- Optionally also available with background lighting



PC-Software "BPS-TV"

- The PC Software "BPS-TV" transmits data directly to the Windows 10 PC or Laptop
- Brake force, difference, axle number, brake type, axle and wheel weight, deceleration, brake pressures and operating mode are shown clearly and easy to read. The printout is processed via the PC



LED Display "Dig-4" (RGB)

- With a resolution of 8x64 LEDs for all roller brake testers and test lanes, as a single or combined display
- Variable, dynamic display format
- Digital display with several display ranges for brake, difference, side slip, weight and pressure values

BPS Mobil 18.0

Today's roller brake testers must keep pace with the ever-changing requirements of the vehicles to be tested. The company SHERPA Autodiagnostik, based in Germany, has been delivering high-tech testing technology for around 30 years – technically always state-of-the-art and of highest quality.

The mobile test unit "BPS Mobil 18.0" is equipped with attached wheels and can be moved easily on-site after folding up or removing the ramps. The low weight of 1,100 Kg (without ramps) enables the test unit to be loaded with transport vehicle, as well, and taken to another location. The axle shafts of the removable wheels function as eyelets for the hoisting equipment. In case of set-up on uneven ground, the test bench may be levelled using the height-adjustable supports.

The rollers are coated with granulate and feature a roller diameter of 150 mm.

The control box including plug connector for the external power supply is attached on one side, above the drive unit. Next to this, there is a spacious container for a laptop, power cables, and other accessories.

After connecting the supply voltage to the test unit and one of the displays to the control box, the test unit is immediately functional.

The test unit control features manual as well as automatic operation, delayed automatic switch-on, slip switch-off, pointer stop, automatic restart, switch-off after driving out of the test set, start-up monitoring and drive-off assistance.

OPTIONS



Patented automatic all-wheel detection with fully automatic testing (Patent EP 1931957B1)



Reinforced drive motors:
BPS Mobil 18.0: 2 x 11 kW
planetary gear: enormous motor power with minimal power connection values



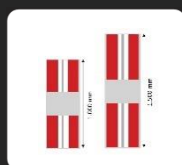
EDOS Drive out assistance with electronic rotation direction controller (Patent EP 2594916)



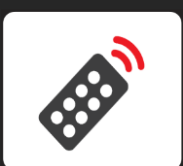
Weighing device static / dynamic: Very precise and reliable measurement of the respective test weight by 6 shear force transducers



SHERPA-Office database for customer and vehicle data: visual defects file, saving measurement data, printout, network module for PC networking



Enlarged roller length from 1 m to 1.5 m



Remote controls Radio or Infra-red: up to 20-times encodable; measured value storage and manual test unit control



Ascent and descent ramps as well as traversable ramps available in different designs

With SHERPA roller brake testers, you can quickly, easily and clearly convey the current condition of the vehicle's brakes to your customers.

TECHNICAL DATA

Display

Analog display, Dimensions (L x W x H)

810 x 670 x 70 mm

Display range for brake value

0 - 6 kN / 0 - 40 kN

Control box

Electrical / control box, Dimensions (L x W x H)

380 x 380 x 220 mm

Roller Brake Tester / Roller Set

“BPS Mobil 18.0“

Traversable axle load max.

18 t

Roller length

1,000 mm

Roller diameter

150 mm

Roller centre distance

410 mm

Test speed

Planetary gear with 2.6 km/h

Drive capacity

2 x 9 kW (optional 2 x 11 kW)

Testable axle load

at 50% deceleration 16 t (optional 18 t)

Supply voltage

3 x 400 V 50 Hz

Feed line / fuse protection

5 x 6 mm² / 32 A

With options “11 kW motors“ or „EDOS“

5 x 10 mm² / 50 A

Mobile system without ramps, Dimensions (L x W x H)

4,660 x 1,080 mm

Weight

1,100 kg approx.

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