

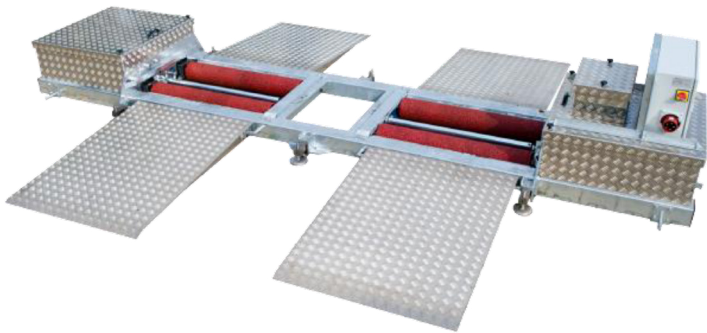
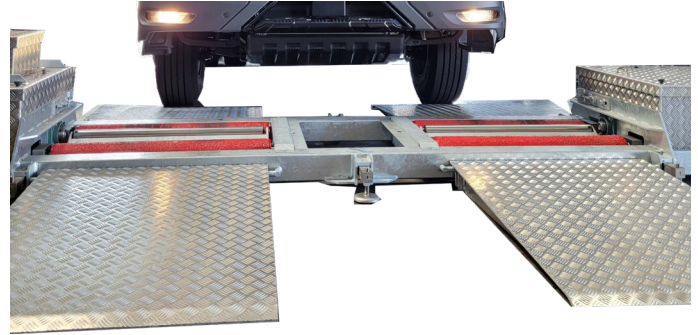
### DESCRIPTION

#### Sherpa Mobile Roller Brake Tester

The Sherpa Mobile Roller Brake Tester (SM18100) is a compact, portable solution for on-site brake testing. Weighing 1,100 kg (without ramps), it's easy to transport and relocate.

The unit features height-adjustable supports for use on uneven ground, granulate-coated rollers with a 150 mm diameter, and a control box with storage for a laptop and accessories.

With both manual and automatic operation, it includes advanced functions like delayed switch-on, slip switch-off, start-up monitoring, and drive-off assistance, making it an efficient and reliable tool for mobile vehicle inspections.




#### Roller Brake Tester/ Control Box

- Mobile hot-dip galvanised roller set with plastic-coated drive rollers
- Attachable wheels and lifting / drawbar for mobile movement
- Planetary gear motors: large 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

Tech Specs	SM18100
Maximum Axle Load	18,000kgs
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 11 kW
Testable axle load	at 50% deceleration 18 t
Supply Voltage	3PH 415V 50HZ
Feed line / fuse protection	5 x 10 mm <sup>2</sup> / 50 A
Dimensions, without ramps (L x W x H)	4,660 x 1,080 mm
Weight	1,100 kg
Electrical/Control Box Dimensions	380 x 80 x 220mm

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 **SHERPA**  
YOUR SAFETY IS OUR DRIVE

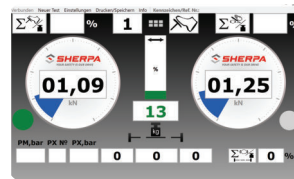
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## DISPLAY MODES



### LED Display "Dig-4" (RGB)

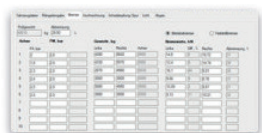
- With a resolution of 8x64 LEDs for all roller brake testers & test lanes, as a single or combined display
- Variable, dynamic display format
- Digital display with several display ranges for brake, difference, side slip, weight and pressure values



### 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

## ADDITIONAL FEATURES



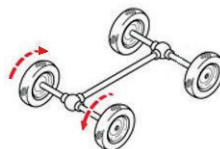
**SHERPA-Office database** for customer and vehicle data: visual defects file, saving measurement data, printout, network module for PC networking



**Weighing device static / dynamic:** very precise and reliable measurement of the respective test weight by 8 shear force transducers



**Radio Remote control:** up to 20-times encodable; measured value storage and manual test unit control



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



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

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