



Up to 13 T



Description

The **FRS Heavy Vehicle Brake Tester** is designed to check the brake condition of vehicles **with a maximum axle load of up to 13 T per axle.**

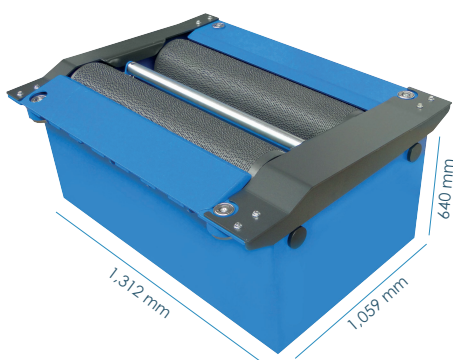
The braking force is obtained from the electrical signal provided by a strain gauge to the data acquisition system **in a 2-bench structure.**

The most significant information obtained is:

- ✓ Braking force on manual and pedal brakes
- ✓ Rolling resistance
- ✓ Ovality and weight measurement *optional**
- ✓ Hand clamp and foot pedal *optional**
- ✓ Braking performance

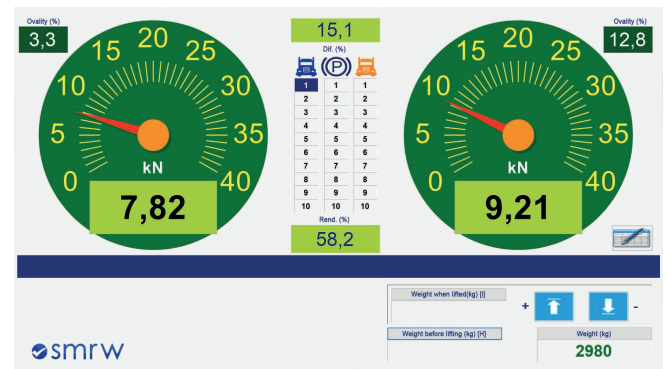
Technical Data and Dimensions

Max load	13 T
Engine Power (independent)	2 x 9 kW
Test speed	3 km/h
Max/min track width	2,840 / 850 mm
Voltage	400 V - 50 Hz
Protection fuse	3 x 50 A
Thermal protector	2 x 18 - 25 A
Roller Diameter / Length	208 / 990 (990 usable) mm
Distance between center	407 mm
Rear roller lift	50 mm
Dimensions and weight (per frame)	1,312 x 1,059 x 640 mm 800 kg
Adhesion coefficient	0.9 wet 0.7 dry
Measurement scale	0 - 8 kN / 0 - 40 kN
Step / measurement error	0.01 kN / 1 %
Consumption	18 kW



*Galvanized finish available

Software



Standard Equipment

- ✓ Brake Tester
- ✓ Electronic control console + wireless controller
- ✓ Electronic control and SMRW software
- ✓ Motor soft starter
- ✓ Hardware and software for 4x4 vehicles
- ✓ Self-locking rollers for easy exit

Optional Equipment

Optional equipment	
	Side Slip Tester Integration kit
	Voltage stabilizer
	Axle weighing scale (4 load cells)
	60 Hz Power supply
	Foot pedal dynamometer + receiver
	4x4 freewheels
	Wireless pressure transducer 1 - 4 pcs.
	USB receiver compatible with 15 devices
	Sensor base/charger with alert
	Roller cover
	Calibration weight 10 kg
	Calibration weight 30 kg
	Heavy vehicles calibration lever
	End-of-line console (consult)