



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.**

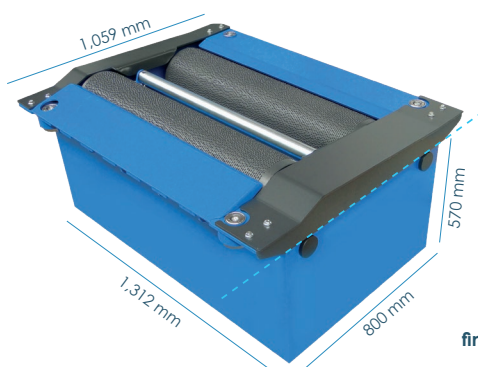
The braking force is obtained from the electrical signal provided by a strain gauge to the data acquisition system **in a 2-bench structure.**

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

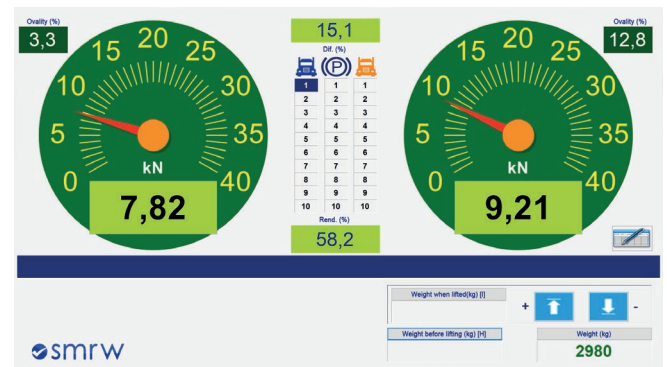
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|--|--------------------------------|
| Max load | 13 T |
| Engine Power (independent) | 2 x 9 kW |
| Test speed | 3 km/h |
| Max/min track width | 2,840 / 850 mm |
| Voltage | 400 V - 50 Hz |
| Protection fuse | 3 x 50 A |
| Thermal protector | 2 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 800 x 570 mm 800 kg |
| Adhesion coefficient | 0.9 dry 0.7 wet |
| 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) |