

***Roller brake tester BDE 2205 for cars***  
***Non-contact detection of the vehicle***



- Car roller brake tester  
for up to 3 tons axle load**
- Rimguard technology**
  - No feeler rolls**
  - Considerably fewer wear parts**

### The brake tester without feeler roll



#### Rimguard technology

Gentle to the rims as sensors show the position of the vehicle on the brake tester.

Unterneukirchen is the centre of excellence for testing technology in the strong and efficient Snap-on Group. For more than 30 years the name of Cartec has been a synonym for engineering and manufacturing of testing and diagnostics technology for cars and trucks.

Our customers benefit from concentrated competence and direct and smooth handling of enquiries and orders.

A qualified team, the well-known product quality, good service and the advantages of the strong global Snap-on Group guarantee testing technology which is constantly optimised in terms of customer requirements.

This is the reason why our equipment have been approved and recommended by many important car manufacturers.

A properly working braking system on the car is an absolute must in terms of road safety. A time-saving brake test increases profitability of every workshop.

The new generation of the BDE 2205 brake tester meets all requirements as to simple and quick brake tests. Moreover it needs almost no maintenance and offers an excellent price-performance ratio.

#### Determination of maximum braking forces

The BDE 2205 brake tester is specially designed for the quick diagnostics in the workshop. It allows simple and quick brake tests on cars and lightweight commercial vehicles of up to 3 ton axle load, both on single-axle and multi-axle drive systems. Owing to automatic mode the vehicle tests are time-saving and efficient.

#### Non-contact detection of the vehicle

The brake tester is equipped with sensors which allow non-contact detection of the vehicle on the rollers. Owing to those sensors there is no need for feeler rolls between the rollers. Compared with a conventional brake tester design maintenance is drastically reduced as thanks to this novel technology. The sensors detect there is a vehicle on the rollers. Once the vehicle is correctly positioned lengthwise and crosswise the sensors release the drive motors, consequently starting the brake test. The test itself is accomplished in automatic mode.



## Roller brake tester for cars

Non-contact sensor-based detection of the vehicle

### Quick diagnostics for every motor-vehicle workshop



#### Standard equipment of the roller set:

- Mechanics in galvanised, compact flat design
- Electronic diagnostic system integrated in the roller set



- Splash-proof motors
- Rollers with long-life ceramics-silicon coating are abrasion-proof and very tyre preserving
- Measurement with wear-free strain-gauge type load cells
- Electric automatic drive-off aid
- Non-contact position sensors
- Roller drive via rugged flat gear

#### Position sensors

The non-contact position sensors use a light beam to detect the vehicle as it is driven on the rollers. Once the vehicle is correctly positioned the brake test is started automatically.

#### Rimguard technology

This special technology is rim-preserving as it signals at once when wheels move too much to the right or to the left on the rollers.

#### Strain-gauge type measuring system

The features to be tested are detected by means of well-proven strain-gauge type load cells. This wear-free measuring system ensures reliable and error-free measurement of the forces produced.

#### CeSil (ceramics silicon) coating

This abrasion-proof roller coating is tyre preserving, presenting similar friction coefficients both in dry and wet conditions.

#### Display cabinet

Display 0 – 6 kN



Standard equipment of display cabinet:

- power-on light
- indication of braking forces left / right

Optional extensions:

- indication of braking force imbalance
- position reading left / right

With the optional vehicle position control provided in the display cabinet a warning is supplied as soon as the wheels are about to contact the side of the roller set. If the vehicle tends too much to the left, the left-hand LED comes up, if it tends too much to the right, the right-hand LED will light up.

## Roller brake tester for cars

Non-contact sensor-based detection of the vehicle

### Options

- Axle load weighing system
- 4WD mode
- Key-locked main switch, to be mounted externally
- Column, or swivel-type wall bracket for display cabinet
- Roller cover plates, traversable – hingeable to the outside
- Roller cover plates, traversable – plug-in type



- Analogue display of braking force imbalance
- PC test report printer module
- A4 printer



- Position lights left / right
- Special finish
- Special cable length

Technical data		
Max. axle weight	t	3
Measuring range	kN	0 - 6
Roller coefficient dry		> 0.7
Roller coefficient wet		> 0.6
Temperature range	°C	0 up to +70
Idling speed	km/h	3.3
Roller length	mm	700
Roller diameter	mm	176
Test width min. - max.	mm	800 / 2200
Dimension of mechanics	mm	580 x 2305 x 205
Weight of mechanics	kg	260
Motor rating	kW	2 x 2.5
Dimension of display cabinet	mm	610 x 460 x 80
Weight of display cabinet	kg	15
Power supply	V	3/N/PE400 V AC
Fuse rating slow – blow	A	3 x 16
Power cord	mm <sup>2</sup>	5 x 2.5

**Snap-on Equipment**

**Snap-on Equipment GmbH**  
 Undercar Division  
 Werner-von-Siemens-Str. 2 · D-64319 Pfungstadt  
 Tel.: +49 (0) 6157 / 12-0 · Fax: +49 (0) 6157 / 12-286

**Testing Division**  
 Konrad-Zuse-Straße 1 · D-84579 Unterneukirchen  
 Tel.: +49 (0) 8634 / 622-0 · Fax: +49 (0) 8634 / 5501