



# T-BT 111 E

# T-BT 115-2S

-  Remote Control
-  Self-braking
-  Weighing Unit

20 t



## BRAKE TESTER FOR HEAVY VEHICLES



T-BT 111 E is designed for heavy vehicles (**one testing speed**)  
T-BT 115-2S is designed for heavy and light vehicles (**two testing speed**)

The **T-BT 111 E** and **T-BT 115-2S** are able to process trucks up to a maximum weight of **20 tonnes per axle**. Technologically at the state of the art, they are fully controlled by a personal computer with **Windows operating system**.

**Data acquisition is electronic** and is based on the use of extensimetric load cells which assure outstandingly precise measurements, excellent reliability and impressive resistance to overloads.

**Test cycle management is COMPLETELY AUTOMATIC**, and the operator is provided with **precise information** about the progress of the test.



Multifunction wireless  
USB remote control



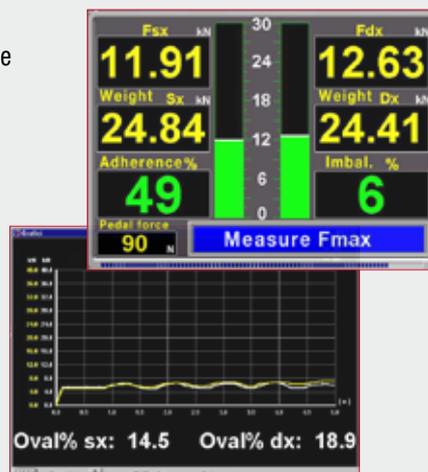
## PERSONAL COMPUTER COMPLETE WITH:

- **Keypad** with integrated trackball / **DVD drive** / **5 RS232 serial ports** / **4 USB ports** / **Windows operating system**
- Multifunction **wireless USB remote control**
- **LED colour monitor**
- **Air pressure measurement system** (optional):
  - Max. measurable pressure **1,700 kPa**
  - Battery powered transmitter unit **with 8 hours of battery lifespan**
  - Pneumatic connection to vehicle measurement connection with **standard M16 x 1.5 female union** with DIN fitting
  - Transmission frequency **UHF band**
  - Up to **3 transmitter units** may be connected to receiver.

## HIGH QUALITY GRAPHICS

A **21" led monitor** gives real-time, simultaneous display of the numerical values and the **high-quality graphics**, visible from a considerable distance.

The **colour printer** supplied as option is able to print out all the data and the charts of the measurements made at the end of the cycle.



## ELECTRONIC DATA ACQUISITION

**High precision of vehicle weighing**, obtained with 4 load cells for each half bench, for measuring the static and dynamic weight values **of each individual wheel**



## HIGH PERFORMANCE

Its **rugged mechanical construction**, the customised roller coating, specially developed to prevent tyre damage, and its user-friendliness, make the T-BT 111 E and T-BT 115-2S brake testers two essential tool for accurate, **complete testing of the braking systems of heavy vehicles**.

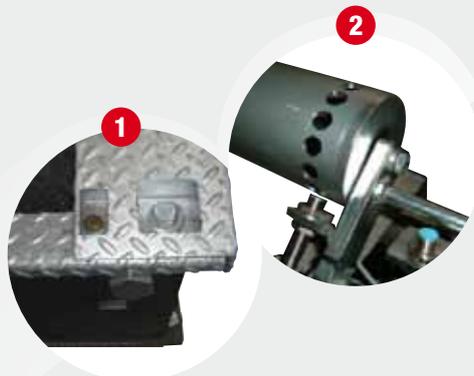
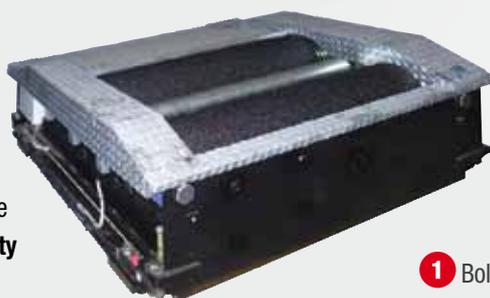
The T-BT 111 E and T-BT 115-2S are both brake test able to perform tests on vehicles equipped with **permanent 4WD systems and ABS**. Braking parameters are measured by extremely robust, **high precision extensometer** load cells and state of the art electronics.

The T-BT 111 E and T-BT 115-2S brake tester for industrial vehicles **may be used to test vehicles with air brake systems and mixed systems**, and use **fully laden state extrapolation to simulate different load conditions** of the vehicle. The **T-BT 111 E and T-BT 115-2S** brake tester for industrial vehicles may also be used to **test vehicles with hydraulic braking systems**.

Roller bench with **covering in epoxy resin and silica**.

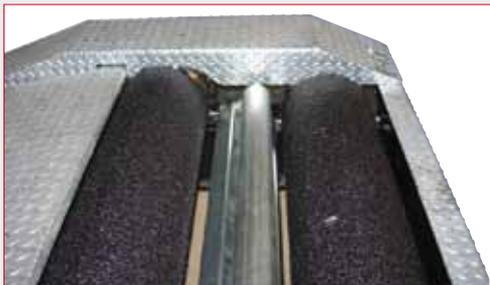
The **rollers are self-braking** to facilitate driving vehicle off.

The rollers' technology, along with the technical solutions, **ensures reliability** and a **high performance level**.



**1** Bolt heads embedded to reduce tyre wear to a minimum

**2** Wheel speed sensor



### STAGGERED ROLLERS

The vertical offset of the rollers **optimises** the measurements of the braking force, **preventing the wheel protruding** from the rollers during braking

## TECHNICAL DATA

	T-BT 111 E	T-BT 115-2S
Maximum axle load	20t	20t
Maximum braking force	40kN	6 / 40 kN
Nominal testing speed	2,2km/h	2,2 / 5 km/h
Roller diameter	250mm	250mm
Roller lenght	1070mm	1070mm
Roller coating	Epoxy resin with podwdered quartz	Epoxy resin with podwdered quartz
Roller fiction coefficient	≥0,6 dry	≥0,6 dry
Motor power	2x11 kW	2x5,5 / 15 kW
Operating temperature	0-40°C	0-40°C
Power supply voltage	400V/3Ph -230V/1 Ph/50 Hz	400V/3Ph -230V/1 Ph/50 Hz

## VERSIONS

**T-BT 111 E**  
designed for heavy  
vehicles  
(one testing speed)

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(two testing speed)

## STANDARD EQUIPMENT



## COMPULSORY ACCESORIES



## RECOMMENDED ACCESSORIES

- A 806269909**  
Digital gauge for calibrating FS. 5000 Kg truck roller tester with measurement report.
- B 806269021**  
Weighing force calibration kit for truck roller testers
- C 806468073**  
Pedal dynamometer kit.  
To be connected to radio remote control.
- D 5203000009**  
SS311 side slip plate for truck.
- E 8-61100003**  
**P1 - (NG):** Brake system pressure measuring system: basic kit  
(1 P1 transmitter + 1 receiver)
- F 8-61220015**  
**P2/P3 - (NG):** 1 additional P2/P3 transmitter

## OVERALL DIMENSIONS

