



T-BT 111 E

T-BT 115-2S



Remote Control



Self-braking



Weighing Unit



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



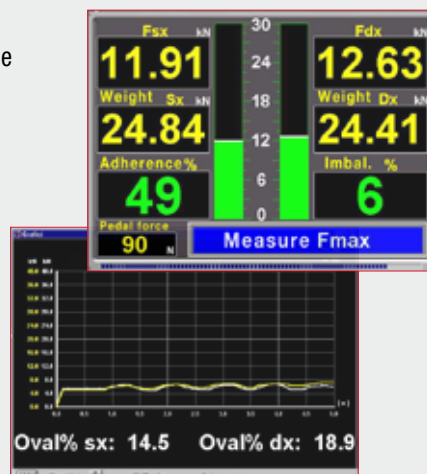
PERSONAL COMPUTER COMPLETE WITH:

- **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**.

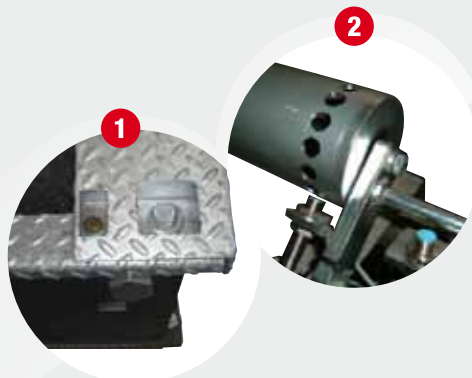
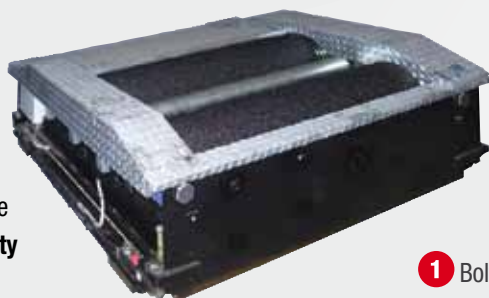
The T-BT 111 E and T-BT 115-2S are both brake test able to perform tests on vehicles equipped with **permanent 4WD systems and ABS**. Braking parameters are measured by extremely robust, **high precision extensometer** load cells and state of the art electronics.

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)

T-BT 115-2S
designed for
heavy and light vehicles
(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

