

Ryme Portable Brake Tester for motorcycles is a modular and detachable device suitable for motorcycle and mopeds up to 125 cc. brake system inspections "in situ".

The measurement of the braking force is obtained from the electrical signal that provides a strain gauge to the strain gauge acquisition system data governed by a microprocessor.

The system consists of two synthetic fiber rollers on a frame to which a motor is attached independently.

In this way it is possible to operate the equipment in a modular way for transport and installation to the place of use. In addition the frame includes safety systems for the protection of the tyre.

The most significant information obtained from the control of computer are:

- Front, rear and handbrake force
- Rolling resistance
- Measurement of ovality
- Braking performance

PATENTED

Max load per axle	<div style="font-size: 1.5em; font-weight: bold;">400</div> kg
Motor	<div style="font-size: 1.5em; font-weight: bold;">1,1</div> Kw.
Minimum wheel diameter	<div style="font-size: 1.5em; font-weight: bold;">10''</div>

Electronics

Latest generation processor
New high-speed processor
Increase the response and process of each vehicle test

Connections
Ethernet (TCP-IP) / RS-232 connection on the main board

RAM memory
New memory 16 times faster

Flash Memory
New memory 4 times faster

Modular System
All electronics are expandable.
Specially designed for automotive and vehicle inspection centers



Due to the continuous evolution of our products, the technical and design characteristics may be subject to change without notice.

Standard Equipment

- Brake roller bench
- Synthetic fiber rollers
- Control cabinet & software in an electronic box
- Aluminium access ramps
- Footrest to facilitate the test performance
- Remote control for test control



Software

- **Sending and processing** data and graphics in **real time**
- **Possibility of sending encrypted data to the server** using the AES encryption method (Advanced Encryption Standard)
- **100% compatible** with management systems and databases
- **Assigning permissions** to different user levels
- Possibility of assigning the results obtained to a vehicle plate before or after each test
- Intuitive, simple and fast **configuration software**
- Graphical and numerical display of results
- **Customization of the test duration to the** minimum and/or maximum time to optimize working time
- **Self test of auto-zero** in the beginning of each test
- **Very intuitive control software** guided by graphic icons
- **Common database** (on network as well as in local mode) that's allows us to save all client and vehicle data and have easy access to them to be able to make comparisons between old and new tests.
- Translation module which the user will be able to translate the program into his own language or modify any sentence or word on it.
- Customized advertising on screen
- **Retention, and possibility of repetition of data** until next vehicle test
- Possibility of automatic or manual start and stop
- Strain gauge measurement system
- Measurement display with error less than 1%.
- **Communication USB / RS232 / Ethernet (TCP-IP) Protocol**

Software



More Productive

Repetition of partial tests



Safer

Ryme application can encrypt data, make them safer



More Intuitive

Incorporation of graphic icons. RYME applications share the same menus..



More Compatible

Compatibility with more than 95% of the database management systems on the market today, ORACLE, SQL SERVER, Postgre, SQLite, etc. OS support for 32 and 64 Bits and with Android, Windows...



Online support

Possibility of remote connection from our technicians with your equipment
Consult conditions



More Reliable & Precise

Improvement in the process of calibrating the main board Allows the adjustment of the weighing and force calibration to very precise values.



Software adaptations

Possibility of analysis and study, under budget, for adaptation to new regulations in any region and/or country

Mechanics



Epoxy Paint

Powder-coated finish ensures optimal and long-lasting protection



Perfect Fit Assembly

Mechanical design using Perfect-Fit, which guarantees the assembly and perfect final finish on all our equipment



High adherence rollers

Roller coating with our own technology, which provides optimal adhesion even in adverse conditions and high durability



Strongest Gearmotors

Tested for durability to ensure optimum performance

Technical Data

Maximum axle load	400 Kg
Electric motor power	1,1 kW
Test Speed	3 km / h
Voltage	400 V. 50 Hz. Threephasic
Protection Fuse	3 x 10 A
Thermal Protector	10 A
Minimum wheel diameter	10"
Roll diameter	122 mm.

Length of the rollers	260 mm.
Useful length of the rollers	240 mm.
Distance between rollers	362 mm.
Friction coefficient	0,9 dry 0,7 wet
Maximum braking force	3.000 N
Range of measurement	10 N

Dimensions



Dimensions of the installed equipment	2.003 x 1.100 x 275 mm.
Packed equipment dimensions	800 x 600 x 900 mm.
Bench weight	80 Kg
Ramp weight (unit)	13 Kg
Packed equipment weight	120 Kg
Dimensions de la Electric box	400 x 210 x 500 mm.

Frame installed on trolley for easy transport




Optional Equipment

	Multi-function wireless device, keyboard, mouse and remote control
GEN-EIN	Computer equipment
GEN-IMP	Printer
GEN-TD	Data display terminal
	GEN-EST Voltage Stabilizer
GEN-STD	Second Data display terminal
FRMP-SA	Delayed static retarder
FRMP-SA230	Delayed static retarder 230 V.
GEN-230	Power supply 230 V. Threephasic
GEN-230M	Power Supply 230 V. Monophase
GEN-60HZ	Power supply 60 Hz
FRM-BAS	Scale for weighing mopeds (3 cells)
	GEN-DPR Pedal dynamometer with wireless PC communication. Includes wireless receiver and software

	FRMP-DMR	Wireless handheld dynamometer
	GEN-SRA	Automatic front clamp for wheel fixing
	FRMP-SPP	Aluminium platform to facilitate the performance
	GEN-PES6	Calibration weight 6 kg
	GEN-PES10	Calibration weight 10 kg
	GEN-PES30	Calibration weight 30 kg
	GEN-PAL1	Calibration lever
	GEN-SSA	Software for sending encrypted and non-encrypted measurements that guarantees the saving of the results of each test and their sending to the management program even in possible power cuts or other...

Other Cabinet

	GEN-MC2	Cabinet only Dimensions: 620 x 580 x 1.700 mm.
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