

Expert Suspension Mobile version

WHAT IS THE SHOCK ABSORBER TESTER?

Shock absorber tester is designed for inspection of automotive shock absorbers with maximum axle load 2 500 Kg

THE EQUIPMENT FEATURES:

- Specially designed automotive trailer
- Special holder with PC touch-screen and printer
- Revolutionary low-profile adjustable measuring stand to hold the axle of the vehicle to be tested.



HOW DOES IT WORK?

- The shock-absorber differs from contemporary testing benches in that it analyses the reaction of the shock-absorber on the basis of the resonance frequency (the most critical frequency for keeping a moving vehicle on the road), instead of monitoring the minimum gripping power of the wheel (EUSAMA method).
- The result of the measurement is given in the C.A.P. value (Phase Damping coefficient). This value is independent of the vehicle's other properties (weight, pressure in tires), which affect contemporary methods of measurement.

SIMPLE INTERPRETATION

The user can easily see the results of the measurement as they are classified into three categories:

- Good (green)
- Damaged (yellow)
- Defective (red)



PC PANEL CHARACTERISTICS

Version A

- Display: 17" LCD TFT with touch - screen
- CPU Celeron 2,8 GHz
- RAM 512 MB
- HD 80 GB
- DVD-ROM, CD-RW (Combo) optical devices
- Touch Screen
- Built-in 3W speakers
- Connector panel:
- 4 x RS 232, 5xUSB, LAN, 2 x PS/2, VGA, Audio

PC ANEL CHARACTERISTICS

Version B

- Display: 8,4"TFT with touch screen
- CPU VIA Eden 1GHz
- RAM 256 MB
- HDD 40 GB
- 3 x USB 2.0, IrDa, PCMCIA Type slot II.
- Wi-Fi, Bluetooth

PRINT-OFF OF TEST REPORT

- The complete vehicle test can be completed in just 3 minutes.
- A test report can be printed off for the customer, which simply explains the condition of each shock absorber and any skew in the axle.

TECHNICAL SPECIFICATIONS

- Maximum axle load2500 Kg
- Maximum testing frequency25 Hz
- Minimum testing frequency3 Hz
- Field excitation width +/-3 mm
- Engine power 2 x 2,2 kW
- Minimum width 836 mm
- Maximum width 2096 mm
- Tester power supply 400 V three-ph. – 50 Hz
- Stand power supply 230 V single-ph. – 50 Hz
- Dimensions 3100 x 600 x 228 mm
- 4 approach ramps 630 x 692 mm
- Testing bench height 120 mm

