

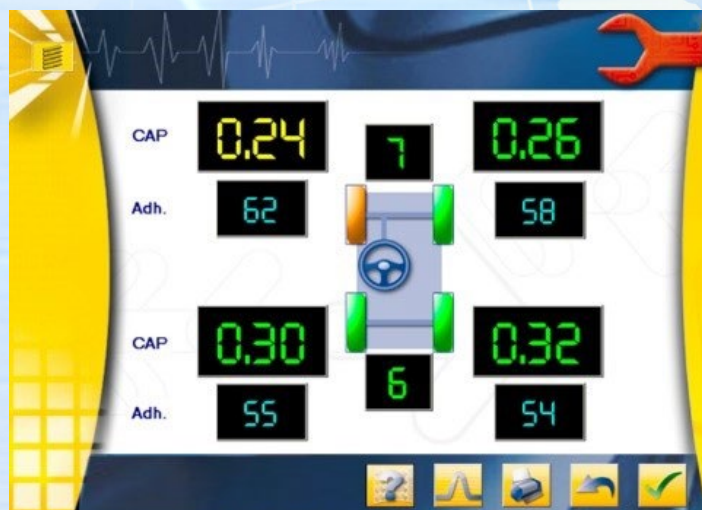
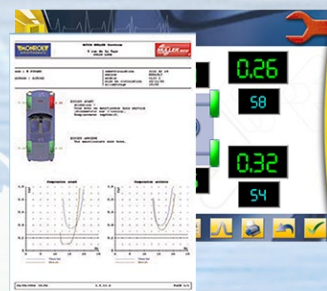
# Expert Suspension PIT version

## 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:

- Measuring stand to hold the axle of the vehicle to be tested.
- Software, a stand PC, LCD monitor 19", color printer, keyboard, mouse, Power Supply (UPS).
- Construction work requiring installation tester provides the customer himself.



## 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 tyres), 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)



## 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 load..... 2500 Kg
- Maximum testing frequency ..... 25 Hz
- Minimum testing frequency ..... 3 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 of the pit tester ..... 3100 x 600 x 228 mm
- Weight tester ..... 240 Kg