

SIMULATOR OF ELECTRONIC CONTROL OF SUSPENSIONS

Mod. AST6A/EV

Simulator mod. AST6A/EV is included in a complete set of educational equipment for the basic training in the field of automotive systems.

This simulator consists of a computer-controlled panel, with silk-screen-printed schematic diagram for an easy location of its components.

Various zones of this schematic diagram are represented with different colours and shades to emphasize peculiar aspects of the system. Warning lights installed in the schematic diagram enable to check control trend.

The graphic display of information on PC screen enables the permanent monitoring of the system.

The operational conditions are set by students according to the educational path indicated in the courseware.

The testing phase is completed with insertion of faults, carried out by the PC, for the study of car repairing techniques.

TRAINING PROGRAM:

- Control logic of suspensions versus vertical acceleration
- Control logic of suspensions versus steering speed and angle
- Control logic of suspensions versus braking pressure
- Control logic of suspensions versus the geared speed
- Control logic of suspensions versus the opening of throttle valve
- AUTO-SPORT configuration



TECHNICAL CHARACTERISTICS:

The system is arranged on a wide silk-screen-printed panel including:

- test jacks with diameter of 2 mm
- pulse starting key
- display of soft state of suspensions via blinking LEDs
- selection of operational conditions via potentiometers and buttons
- display of system state with warning lights (LEDs and/or bargraph)
- dynamic display of parameters on PC screen, with software of high graphic performance
- connections with Personal Computer via USB port

Power supply: 230 Vac 50 Hz single-phase - 50 VA
(Other voltage and frequency on request)

Dimensions: 920 x 450 x 720 mm

Weight: 30 kg

REQUIRED

PERSONAL COMPUTER
- NOT INCLUDED -



SUPPLIED WITH

SOFTWARE:
PROGRAM FOR CONTROLLING SIMULATOR
AND GRAPHIC DISPLAY ON PC SCREEN
FAULT INSERTION FROM PC



THEORETICAL-EXPERIMENTAL TEXTS:
STUDENT HANDBOOK
TEACHER HANDBOOK

