

# Diagnostic Solutions

## FSA 500



**THE PORTABLE MEASURING MODULE FOR WIRELESS USE, WHICH ALLOWS ALL WORKSHOPS THE ECONOMICAL ENTRY INTO THE ELECTRICAL AND ELECTRONIC DIAGNOSIS.**



**Order number:**

**0 684 010 512 (green)**

**0 684 010 511 (grey)**



### BENEFITS OF FSA 500 AT A GLANCE

- ▶ The FSA 500 is the compact, battery-powered measuring module for electrical system, component and engine diagnostics
- ▶ Ideally suited for convenient testing of the most important electrical and electronic components, such as battery and compressor in the vehicle, without unnecessary removal and replacement of the components
- ▶ Provides guided instructions for connection and configuration with optional integration of the ESI[tronic] → making the FSA 500 the ideal supplement for ECU diagnostics
- ▶ 30 preset component tests: connection, channels, range, time and trigger → all set by a mouse click
- ▶ Integrated display of actual values from the ECU diagnostics in conjunction with the KTS module
- ▶ Save and recall stored waveforms in the database and create test reports for your customers
- ▶ Adaptation possibilities to existing systems as well as the gradual expansion into a comprehensive workshop test system make the FSA 500 a safe investment in the future
- ▶ Can be extended with the FSA 050 to test electric and hybrid vehicles

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### DID YOU KNOW?

- ▶ FSA 500 serves as a perfect entry for the workshop into the cost-effective and comfortable vehicle system analysis for the diagnostic solutions
- ▶ The simplicity of the operation provides optimal help for **beginners** of system analyses: the brief and clearly arranged menu structure including test steps and with instructions clearly shows the workshop employee where to connect which cable
- ▶ At the same time, experienced **experts** will appreciate the advanced features, high performance, system integration and expansion features, that change ESI[tronic] 2.0 e.g. into an all-round test system
- ▶ **Safe investment in the future** because of the many equipment details
  - Convenient universal oscilloscope with 2-channel (2 x 40 MS / s) and 4-channel mode (4 x 1 MS / s)
  - SystemSoft [plus] system software for testing the most important electrical and electronic components in the vehicle
  - Time-saving test of components in the installed state
  - About 30 preset component tests
- ▶ **FSA supports the workshop daily operations** as follows:
  - Detects errors in the vehicle that are not included in the error memory
  - Clear menu structure with test steps and connection instructions. FSA 500 tells you which cables need to be connected
  - 30 preset component tests
  - Battery discharge measurement up to 24 hours
  - Alternator, charging and battery tests
  - Pressure measurement using the built-in sensor
  - Testing vehicle bus systems (e.g., CAN bus)
  - Engine test capabilities
  - An ignition scope for primary and secondary signals is available for analyzing the ignition system
  - Storing comparative curves: The digital multimeter can be used to measure voltage, resistance, current, temperature, pressure and vacuum, whereby the measurement curves and values are stored or transferred to a workshop PC



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### SCOPE OF DELIVERY

- ▶ System tester FSA 500
- ▶ Power supply with mains connection cable (100 - 240 V ~ / 50 - 60 Hz)
- ▶ USB cable and Bluetooth USB adapter
- ▶ Trigger clamp
- ▶ Primary connection cables
- ▶ Connection cable with Multi 1, Multi 2, B + / B-,
- ▶ Current clamp 1000 A
- ▶ Oil temperature sensor
- ▶ Universal secondary transducer
- ▶ Connection hose for air pressure measurement
- ▶ Remote-control release
- ▶ Connection syringes
- ▶ FSA 500 SW (system software SystemSoft[plus])
- ▶ Suitcase
- ▶ Connection cable, class 1/15 (Uni line II)
- ▶ Universal KV Probe
- ▶ Remote control buttons

### TECHNICAL DATA

Power pack requirement	90–254 VAC/47–63 Hz
90–254 VAC/47–63 Hz	5 °C to 40 °C
Dimensions (W x H x D)	290 x 220 x 110 mm
Weight	1.5 kg

### BASIC REQUIREMENT FOR A PC / NOTEBOOK

- ▶ CPU Intel / AMD 2 GHz or higher
- ▶ RAM 2 GB
- ▶ DVD drive
- ▶ At least 160 GB free hard disk space
- ▶ At least 2 USB connectors (2.0)
- ▶ Operating system:
  - Windows 7 Home Premium / Professional (32/64 Bit)
  - Windows 8 (32/64 bit)
  - Windows 10 (64 bit)

### ACCESSORIES

[https://de-ww.bosch-automotive.com/de/products\\_workshopworld/testing\\_equipment\\_products/fsa\\_systems\\_1/fsa\\_500\\_5/fsa\\_11](https://de-ww.bosch-automotive.com/de/products_workshopworld/testing_equipment_products/fsa_systems_1/fsa_500_5/fsa_11)

### ADAPTION OPTIONS

Software can be used on  
KTS 5xx; BEA 550/950; FSA 050; DCU 220

