

**NEW!**  
**FSA 500**

**125** Bosch  
Years 1886–2011



Vehicle system analysis FSA 500 –  
**A yardstick in innovative technology**



**BOSCH**  
Invented for life

# New! FSA 500: **The economic measurement module** for flexible use

## Advantageous modular concept with wireless connection to the PC system

- ▶ Positioning of the FSA 500 module in the engine compartment
- ▶ Positioning of the KTS module in the vehicle interior
- ▶ Convenient adaptation with short sensor lines



## Benefits to the workshop

### Particularly favorable: Entry to convenient electronics testing

- ▶ Cost-effective measurement module
- ▶ Simple operation
- ▶ Flexible handling on vehicle
- ▶ Mobile use in the workshop
- ▶ For all standard demands on electrical and electronics testing
- ▶ Convenient display of actual values from ECU diagnostics in conjunction with KTS module
- ▶ Can be extended by the FSA 050 for testing electric and hybrid vehicles

### Minimum requirements of PC or notebook:

- ▶ CPU Intel / AMD 1.8 GHz or higher
- ▶ RAM 1 GB
- ▶ DVD drive
- ▶ At least 5 GB free hard-disk memory
- ▶ 1 USB port (2.0)
- ▶ Operating system:
  - Windows XP SP2
  - Windows Vista (32 bit) Home Premium/Business
  - Windows 7 Home Premium/Professional (32/64 bit)

### Adaptation options:

Software can also be used on DCU 130

## **New! FSA 500: The measurement module for entry to diagnosis of the electrical system and electronics**

The handy FSA 500 from Bosch is the perfect entry into cost-effective vehicle system analysis. The battery-driven measurement module has a radio connection to the PC system. Its superiority is proved mainly in the convenient testing of all important electrical and electronic components. Many practical equipment details make it a safe investment in the future.

### Equipped for cost-effective application

- ▶ Compact, battery-driven measurement module with wireless connection to the PC system (tablet PC DCU 130, laptop)
- ▶ Software for testing the most important electrical and electronic components in the vehicle
- ▶ Timesaving testing of components when still installed
- ▶ Around 30 preset component tests
- ▶ Signal generator for simulation of sensor signals
- ▶ Battery peak-coil current measurement up to 24 hours
- ▶ Convenient universal oscilloscope with 2 channel (2 x 40 MS/s) and 4-channel mode (4 x 1 MS/s)
- ▶ Test of vehicle bus systems (e.g. CAN bus)
- ▶ Importing and saving comparative curves
- ▶ Engine test functions
- ▶ Ignition scope





FSA 500

### Integrated component testing

#### Why testing is so fast: Preset test parameters

CAN data line, PWM-controlled lamps, wiring, pneumatic actuators and valves, PTC heater, voltage regulator/alternator, starter, intake air temperature probe NTC I, speed and reference mark sensor, throttle-valve potentiometer, coolant temperature probe NTC II, camshaft sensor, wheel-speed sensor, exhaust system (dynamic pressure measurement), catalytic converter, throttle-valve positioning motor, fuel injectors (gasoline), electric fuel pump (EKP), electric fuel pump relay, injector (CR), UIS unit, rail-pressure sensor, broadband sensor (lambda sensor), discrete level sensor, air-mass sensor analog up to HFM5, air-mass sensor digital as of HFM6, air-flow sensor, MAP sensor, intake manifold pressure sensor, glow plugs, ignition coil

### Simple entry to diagnostics - and all options open

The new measurement module is ideal for all workshops looking for an economic and convenient solution for all standard diagnostic cases. Designed for fast, mobile use in the workshop, the handy FSA 500 provides all options for adapting to existing systems as well as the step-by-step expansion to a comprehensive workshop testing system.

### DCU 130: Tablet PC suitable for the workshop

Systems in pass. cars and comm. vehs. are becoming increasingly networked. This involves a great deal of data: Updates are important for the workshop – particularly if they contain information on new systems. But the hardware also has to keep pace in order to meet the requirements of the today's daily workshop operation. The DCU 130 is the PC and operating unit for the FSA 500 measurement module and the ECU diagnostics modules KTS 540, KTS 570 and KTS Truck. It can be used as an alternative to the laptop. The touchscreen ensures even more flexible and comfortable work.

### Equipment details FSA 500

- ▶ Dimensions approx. 220x290x110 mm (HxWxD)
- ▶ Weight approx. 1.5 kg
- ▶ Storage case
- ▶ Power unit with mains connection cable (100 – 240 V~/50 – 60 Hz)
- ▶ USB cable
- ▶ System software SystemSoft[plus]
- ▶ Connecting cable Multi 1/Multi 2 and B+/B-
- ▶ Connecting cable term. 1/15 (Uni-line II)
- ▶ Trigger clamp
- ▶ Clamp-on probe 1000 A
- ▶ Air pressure measurement with hose line
- ▶ Universal KV probe
- ▶ Remote control button

**Order number:** 0 684 010 510

# Bosch: Your partner for the workshop of the future

For over 120 years, innovations from Bosch have kept vehicles in motion to ensure that people get from A to B safely and comfortably.

Bosch Automotive Aftermarket offers the trade and workshops a worldwide, unique combination of:

- ▶ Efficient diagnostics
- ▶ Modern workshop equipment
- ▶ Quick and reliable delivery service
- ▶ The most extensive range of replacement parts in the market
- ▶ Workshop concept for all requirements
- ▶ Comprehensive range of training courses
- ▶ Targeted sales and marketing promotion
- ▶ Competent Hotline
- ▶ 24-hour online workshop portal
- ▶ Favorable leasing offers for workshop equipment and software
- ▶ And many other services to guarantee your success

When this is all combined, not only the parts fit into place but also the time schedule, organization and the result.

## Workshop tip:

With its expertise from original equipment, Bosch offers all diesel specialists a holistic range of workshop test equipment, software, training and know-how. For consolidating diesel business today and in the future.

**Robert Bosch GmbH**  
Automotive Aftermarket  
Business Unit Diagnostics

73201 Plochingen  
Germany  
[www.bosch-diagnostics.com](http://www.bosch-diagnostics.com)



Fuel-injection pump and ignition coil

AA/DGP-MKT WAW 4085 D 09.10 The right to make changes of a technical nature and to alter the range on offer is reserved.



**BOSCH**  
Invented for life