

Diagnostic Solutions

FSA 050



FUTURE-PROOF TESTING FOR ELECTRICAL DRIVE SYSTEMS

Equipment details FSA 050

- ▶ Dimension approx. 220 x 110 x 65 mm (H x W x D)
- ▶ Weight approx. 0,8 Kg
- ▶ 2 measuring leads
- ▶ High-voltage probe: Measuring cable with function tester
- ▶ Handheld device with Bluetooth interface for transmitting the measured values to PC/laptop or FSA
- ▶ DVD CompacSoft[plus]
- ▶ Bluetooth-stick for PC/laptop Connection
- ▶ Monitor software for WIN 7,8,10 PC or FSA:
→ Allows you to transfer, store and print live data



Order number: 0 684 010 050

BENEFITS OF FSA 050 AT A GLANCE

- ▶ Small workshop-compatible hybrid multimeter
 - ▶ Wireless diagnostic tester for the diagnosis of electrical and hybrid vehicles.
 - ▶ Multimeter functions such as voltage, resistance, capacity and continuity testing
- ▶ Be perfectly equipped for
 - ▶ Electrical and hybrid insulation tests
 - ▶ Capacitor measurements
 - ▶ Piezo injector integration tests
- ▶ Handheld device for documentation of the measurement results via radio to an external PC system or to the PC system of the FSA 500 or FSA 720/740/760
- ▶ Flexible use as single unit or as a special accessory

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FSA 050

SERVICE FOR HYBRID AND ELECTRONIC VEHICLES: BENEFIT FROM BOSCH SYSTEM EXPERTISE

- ▶ Undeniably, the general trend is towards electric and hybrid vehicles – i.e. having the FSA 050 means being up-to-date because the device perfectly performs diagnostic tasks, thus being a useful helper in winning new customer groups.
- ▶ As a stand-alone equipment, the FSA 050 is an enrichment for every workshop. However, a comprehensive workshop test system can be expanded step-by-step with the FSA 500, or FSA 720/740/760
- ▶ As a single solution, the FSA 050 offers the best support for the workshop:
 - ▶ Electrical and hybrid insulation tests, condensation measurements, piezo injector integration tests
 - ▶ Insulation tests
 - ▶ Insulation test after accident repair
 - ▶ Polarization index 1/10 min
 - ▶ Check of insulation resistance up to 200 GOhm
 - ▶ Test voltage from 50 to 1000 V in different test modes (t, PI or DAR2)
 - ▶ High voltage measurement
 - ▶ Continuity measurement
 - ▶ Resistance measurement
 - ▶ Capacitance measurement
 - ▶ Standard voltmeter

TECHNICAL DATA	
Function	Scope
High voltage analysis	Up to 600 V (TRMS)
Isolation analysis	Measurement models: t, PL, DAR or INS
Resistance measurement	0,01 KΩ - 1 000 kΩ
Continuity test	0,01 Ω - 99,9 Ω At least current 20 mA / 205 mA
Capacitance measurement	100 pF - 10 μF
Data transmission	Bluetooth class I / II (up to 30 m / 10 m range)

ISOLATION ANALYSIS	
Measuring range	Test voltage
200 GΩ	1000 V
100 GΩ	500 V
50 GΩ	250 V
20 GΩ	100 V
10 GΩ	50 V
Testing Current	1mA

SCOPE OF DELIVERY

- ▶ FSA 050 with storage case
- ▶ 2 measuring cables
- ▶ High voltage probe
- ▶ CD-ROM/DVD CompacSoft[plus]
- ▶ Bluetooth USB-stick

