BA75
Portable Oil Test Set

The BA Breakdown Analyzer is the smallest and lightest portable oil test set its rating available. The 2.8” colour display (OLED) is very bright and offers optimal readability.

For measuring modern silicon, mineral and ester oils a very fast switch-off time after flash over is crucial. The BA has the fastest switch-off time on the market available (< 5 μs).

With the PC Software “BA Control Center” individual test procedures can be programmed and several units can be controlled and overviewed simultaneously. Test results are available in printed form, as pdf and as text files.

The unit has USB Flash Drive and a Bluetooth connection for communications between the test unit and the PC.

### Usage
- Low weight and compact design
- Very bright colour display
- Internal Battery
- External 12 V Supply

### Technology
- Ultra fast switch-off time (< 5 μs)
- Direct measurement of output voltage
- Measurement of silicone-, mineral- and ester oils
- Housed in a metal case for proper RFI/EMC shielding

### Communications
- Bluetooth connection
- USB Flash Drive
- Intuitive control

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**Type**

<table>
<thead>
<tr>
<th>BA75</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Article number</td>
<td>S80001</td>
</tr>
<tr>
<td>Output Voltage</td>
<td>Up to 75 kV rms symmetrical</td>
</tr>
<tr>
<td>Voltage measurement accuracy</td>
<td>±1 kV</td>
</tr>
<tr>
<td>Voltage rise rate</td>
<td>0.5 ... 10 kV/s</td>
</tr>
<tr>
<td>Resolution (displayed)</td>
<td>0.1 kV</td>
</tr>
<tr>
<td>Power supply</td>
<td>85 V ... 264 V (47 Hz ... 63 Hz) and 12 V external supply</td>
</tr>
<tr>
<td>Power consumption</td>
<td>60 VA</td>
</tr>
<tr>
<td>Internal rechargeable battery</td>
<td>1 x 12 V / 7.2 Ah</td>
</tr>
<tr>
<td>Switch-off time on flashover</td>
<td>&lt; 5 μs</td>
</tr>
<tr>
<td>Measurement of oil temperature</td>
<td>0 ... 100 °C</td>
</tr>
<tr>
<td>Temperature resolution</td>
<td>1 °C</td>
</tr>
<tr>
<td>Display</td>
<td>2.8” colour (ultra bright)</td>
</tr>
</tbody>
</table>

**Selectable programs**

- VDE370-5/96, ÖVE EN 60156, IEC 60156/95, ASTM1816-04-1, ASTM1816-04-2, ASTM77-02A, AS1767.2.1, BS EN60156, NEN 10 156, NF EN60156, PA SEV EN60156, SABS EN60156, UNE EN60156, single measurement, other standards possible

**Customer-specific programs**

- Unlimited

**PC Software “BA Control Center”**

- Included

**Printer**

- Graphical output 44 mm (dot matrix)

**Interface**

- Bluetooth

**USB**

- USB memory stick

**Operating temperature**

- -5 °C ... +45 °C

**Storage temperature**

- -20 °C ... +60 °C

**Relative humidity**

- Non condensing

**Dimensions W x H x D**

- 430 x 280 x 250 mm

**Weight**

- 22 kg including batteries

**Delivery includes**

- Breakdown Analyzer BA, Test vessel with electrodes, PC Software “BA Control Center”, Printer, Battery, Lifting stick for magnetic stirrer, Magnetic oil stirrer, Setting gauge 2.5 mm IEC, User manual,

**Article Number**

- Test vessel IEC60 156 with cover and electrodes | GB0050
- Test vessel IEC 60 156 with cover and electrodes | GB0051
- Test vessel ASTM D 877 with cover and electrodes | GB0052
- Test vessel ASTM D 1816-04 with cover and electrodes | GB0053
- Transport bag | VKR0011
- Dust cover | VKR0016
- Rugged Transport box | VKR0010
- Setting gauge 1 or 2 or 2.5 or 4 or 5 mm | GB0110-0114
- Ring nut wrench (test vessel) | GB0106
- Lead for connecting vehicle cigarette lighter socket (12V, 5m) | GB0120
- Ribbon cartridge for printer | GB0103
- Paper roll for printer | GB0102

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DHV1206 Rev01
ENGLISH

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