BA75 - Portable Breakdown Analyser for Oil Testing

The voltage at which oil breaks down is a valuable indication of the health of the oil. The tests that can be performed are well standardized internationally and our equipment is designed to automate the different variations of the tests required.

The BA range of oil testers from HVDSA are renowned for their small size and low weight and are packed full of features to allow easy testing of the oil samples. The range is available in various maximum voltages to best suit the requirements and budget of our customers.

**BENEFITS**
- Accurate, reliable performance
- Ease of use
- Automated analysis and reporting
- Cost effective
- Small, portable and lightweight
- Battery operated
- Fully automated testing
- Quality design and manufacture

**FEATURES**
- Small in size
- Lightweight and portable with integrated handle
- Battery or mains operated
- Microprocessor controlled
- Built-in printer
- High visibility colour display
- High quality glass oil vessel
- Built-in stirrer
- High quality construction
- Automated testing to wide range of standards
- USB reporting and test automation
- Wide range of accessories for standards compliance
- Bluetooth communications for laboratory environments

Applications
- Transformers
- Switchgear

Oil Standards
- ASTM1816-04-1
- ASTM1816-04-2
- ASTM877-02A
- ASTM877-02B
- AS1767.2.1
- BS EN60156
- CEI EN 60156
- IEC 156/95
- IRAM 2341/72
- JIS C2101/78
- MSZ 20880/74
- NBN C27-002
- NEN 10 156
- NF EN60156
- OVE EN60156
- PA SEV EN60156
- PN77/E-04408
- RVHP 1985
- SABS EN60156
- VDE370-5/96
- UNE 21 309/70
- UNE EN60156
- UTE C27-221/74

**GLOBAL THINKING, LOCAL ACTION**

HV Diagnostics
www.hvdsa.com
### TECHNICAL DATA

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output Voltage</td>
<td>Up to 75kV rms 60 Hz symmetrical</td>
</tr>
<tr>
<td>Voltage measurement accuracy</td>
<td>0 ... 75 kV ±1 kV</td>
</tr>
<tr>
<td>Voltage slew 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 12V external supply</td>
</tr>
<tr>
<td>Power consumption</td>
<td>60 VA</td>
</tr>
<tr>
<td>Internal rechargeable battery</td>
<td>1 x 12V / 7.2Ah</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 (32 ... 212 °F)</td>
</tr>
<tr>
<td>Temperature resolution</td>
<td>1 °C (1.8 °F)</td>
</tr>
<tr>
<td>Display</td>
<td>2.8&quot; colour (ultra bright)</td>
</tr>
<tr>
<td>Customer-specific programs</td>
<td>Unlimited</td>
</tr>
<tr>
<td>PC Software “BA75 Control Center”</td>
<td>Included</td>
</tr>
<tr>
<td>Printer</td>
<td>Graphical output 44mm</td>
</tr>
<tr>
<td>Interface</td>
<td>Bluetooth</td>
</tr>
<tr>
<td>USB</td>
<td>USB memory stick</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-5° ... 45° C</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>-20° ... +60° C</td>
</tr>
<tr>
<td>Relative humidity</td>
<td>Non condensing</td>
</tr>
<tr>
<td>Dimensions (WxHxD)</td>
<td>430 x 280 x 250mm</td>
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<tr>
<td>Weight</td>
<td>22kg</td>
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### ORDER CODES

<table>
<thead>
<tr>
<th>PRODUCT DESCRIPTION</th>
<th>PART NO.</th>
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</thead>
<tbody>
<tr>
<td>*BA75 copper red</td>
<td>SB0001</td>
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</tbody>
</table>

#### OPTIONAL ADD-ONS

- Transport bag (BA75) VKR0011
- Rugged transport box (BA75) VKR0010
- Setting gauge 1 / 2 / 2.5 / 4 / 5mm 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
- Test vessel IEC 60 156 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

**STANDARD DELIVERY INCLUDES:**
- Breakdown Analyzer BA75
- Integrated Printer
- Magnetic oil stirrer
- Lifting stick for magnetic stirrer
- Setting gauge 2.5 mm IEC
- Battery
- Test Vessel
- User manual

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