

BA100

Portable Oil Test Set



Lockable
electrode
spacing



Ultra fast switch-
off time ($< 5 \mu\text{s}$)



Very bright and
high-contrast
colour display

$< 5 \mu\text{s}$
switch-off time
(incl. batteries)
32 kg

The BA Breakdown Analyzer is the smallest and lightest portable oil test set its rating available. The 2.8" colour display 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 ($< 5 \mu\text{s}$).

With the software – BA ControlCenter 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.



Print
results



Lockable
electrode
spacing



Colour
display
2.8"

Features

Usability

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

Technology

- Ultra fast switch-off time ($< 5 \mu\text{s}$)
- Direct measurement of output voltage
- Measurement also 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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Housed in a metal case for proper RFI/EMC shielding



Software BA ControlCenter



Low weight and very compact design

BA100	
Article number	SB5004
Output voltage	up to 100 kV _{rms} symmetrical
Voltage measurement accuracy	± 1 kV
Voltage rise rate	0.5-10 kV/s
Resolution (displayed)	0.1 kV
Power supply	85-264 V (47-63 Hz) and 12 V external supply
Power consumption	75 VA
Internal rechargeable battery	1 x 12 V/7.2 Ah
Switch-off time on flashover	< 5 µs
Measurement of oil temperature	0 °C to 100 °C
Temperature resolution	1 °C
Display	2.8" colour (ultra bright/TFT)
Selectable programs	ASTM D1816-12 : 1/2, ASTM D877M-13 A/B, BS EN 60156, CEI EN 60156, CSN EN 60156/95, GOST 6581-75, IEC 60156:95, IP 295/83-2005, JIS C 2101/78, ÖVE EN 60156, PN 77, SABS 555, VDE 370-5/96, single measurement, other standards possible
Customer-specific programs	unlimited
Software	BA ControlCenter (included)
Printer	graphical output 44 mm (dot matrix)
Interface	Bluetooth
USB	USB memory stick
Operating temperature	-10 °C to +55 °C (extended temp. range)
Storage temperature	-20 °C to +60 °C
Relative humidity	non condensing
Dimensions W x H x D	521 x 343 x 300 mm
Weight	32 kg (incl. batteries)
Scope of supply	Breakdown Analyzer BA, Test vessel with electrodes (GB0055), Software – BA ControlCenter, Printer, Paper roll, Battery, Ring nut wrench, Lifting stick for magnetic stirrer, Magnetic oil stirrer, Setting gauge 2.5 mm, polish glove, Bluetooth dongle, power chord, User Manual
Language	Please indicate desired language upon ordering.
Additional Accessories	GB0055 PT100 Test Vessel IEC 156 incl. Mushroom Electrode & Gauge GB0056 PT100 Test Vessel ASTM 877 incl. Disk Electrode & Gauge GB0057 PT100 Test Vessel ASTM 1816-04 incl. VDE Electrode & Gauge GB0058 PT100 Test Vessel IEC 156 incl. Sphere Electrode & Gauge GB0102 Paper roll for printer GB0103 Ribbon cartridge for printer GB0110 – GB0115 Setting gauge 1 / 2 / 2.5 / 2.54 / 4 / 5 mm GB0120 Lead for connecting vehicle cigarette lighter socket (12 V, 5 m) VKR0014 Transport Bag VKR0015 Rugged Transport Box VKR0017 Dust Cover



DHV1207 Rev06 - ENGLISH - Subject to alternations. Errors excepted. Illustrations are not binding.