

# A NEW GENERATION

## BA80 - 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 • ÖVE EN60156 • PA SEV EN60156 • PN77/E-04408 • RVHP 1985 • SABS EN60156 • VDE370-5/96 • UNE 21 309/70 • UNE EN60156 • UTE C27-221/74

## TECHNICAL DATA

Output Voltage	Up to 80kV rms 60 Hz symmetrical
Voltage measurement accuracy	0 ... 80 kV $\pm 1$ kV
Voltage slew rate	0.5...10 kV/s
Resolution (displayed)	0.1 kV
Power supply	85 V ... 264 V (47 Hz ... 63 Hz) and 12V external supply
Power consumption	60 VA
Internal rechargeable battery	1 x 12V / 7,2Ah
Switch-off time on flashover	< 5 $\mu$ s
Measurement of oil temperature	0 ... 100 °C (32 ... 212 °F)
Temperature resolution	1 °C (1.8 °F)
Display	2,8" colour (ultra bright)
Selectable programs	ASTM1816-04-1, ASTM1816-04-2, ASTM877-02A, ASTM877-02B, AS1767.2.1, BS EN60156, CEI EN, 60156, IEC156/95, IRAM 2341/72, JIS C2101/78, MSZ 20880/74, NBN C27-002, NEN 10 156, NF EN60156, ÖVE EN60156, PA SEV EN60156, PN77/E-04408, RVHP 1985, SABS EN60156, VDE370-5/96, UNE 21 309/70, UNE EN60156, UTE C27-221/74
Customer-specific programs	Unlimited
PC Software "BA80 Control Centre"	Included
Printer	Graphical output 44mm
Interface	Bluetooth
USB	USB memory stick
Operating temperature	-5° ... 45 °C
Storage temperature	-20 ... +60 °C
Relative humidity	Non condensing
Dimensions W x H x D	430 x 280 x 250mm
Weight	22kg

## ORDER CODES

PRODUCT DESCRIPTION	PART NO.
*BA80 copper red	SB0007
<b>OPTIONAL ADD-ONS</b>	
Transport bag (BA80)	VKR0011
Rugged transport box (BA80)	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 BA80
- Integrated Printer
- Magnetic oil stirrer
- Lifting stick for magnetic stirrer
- Setting gauge 2.5 mm IEC
- Battery
- Test Vessel
- User manual

GLOBAL THINKING, LOCAL ACTION