



BDV100 OIL BDV TEST SET



REAL TIME SYSTEMS

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INTRODUCTION

For many electric equipments used in power system and enterprises, inner insulation is mostly oil-insulated. Oil dielectric strength Test is one of the essential routine tests. BD100 Oil Dielectric Test Set is the ideal testing device for oil dielectric strength. The Test Sets are fully automatic.

Testing of transformer oil with the BD100 Oil Dielectric Test Sets has just become simpler. BD100 includes an integrated control and data acquisition system in the same package. The new controller allows the user to quickly perform reliable tests regardless of whether it is from the standards or just a quick dielectric test. The test results are displayed on a big liquid crystal display. An added feature with the printer option is the ability to print the result immediately.

FEATURES AND BENEFITS

- Portable test set with the sample oil, controlled by microprocessor and a series of operations can be achieved such as voltage rise, hold, voltage fall, display, computation and print.
- Electronic Voltage Regulator
- Direct HV measurement through measuring winding of the step-up transformer
- Very adaptable & can also be used under Electro-magnetic conditions.
- Leak locked die-molded test cell
- Wide range of accessories for standards compliance
- Test Cycle according to standards. IEC 156, IS 6792, ASTM D1816, ASTM D877, BS EN60156, CEI EN60156, UNE EN60156, GOCT 6581, IP 295, VDE 0370, ASI 767.2.1

TECHNICAL SPECIFICATION

Voltage Rating	:	0 - 100 kV
Accuracy	:	± 1 kV
Resolution	:	0.1 kV
Waveform Distortion:		$\leq 3\%$
Voltage rate of rise:		0.5 - 5 kV/Sec
Temp. measurement:		-10 to 100 °C
Input supply	:	230V $\pm 10\%$, 50Hz
Display	:	Backlit, LCD
Switch off time on flash over	:	< 5 μ s
Printer	:	Integral thermal printer
Memory	:	Internal non-volatile memory
Safety/Protection:		Safety interlocks over-voltage, over-current, auto restore etc.
Interface	:	USB / RS 232
Operating temp.:		-10 °C to +55 °C
Storage temp. :		-20 °C to +80 °C
Relative humidity:		< 95%, non-condensing
Dimensions	:	640x340x380mm
Weight	:	32 kg approx.

ACCESSORIES

- Mushroom Electrode
- Go-No-Go Gauge
- Oil Test Vessel
- Magnetic Stirrer bars
- Instruction Manual
- Calibration Certificate