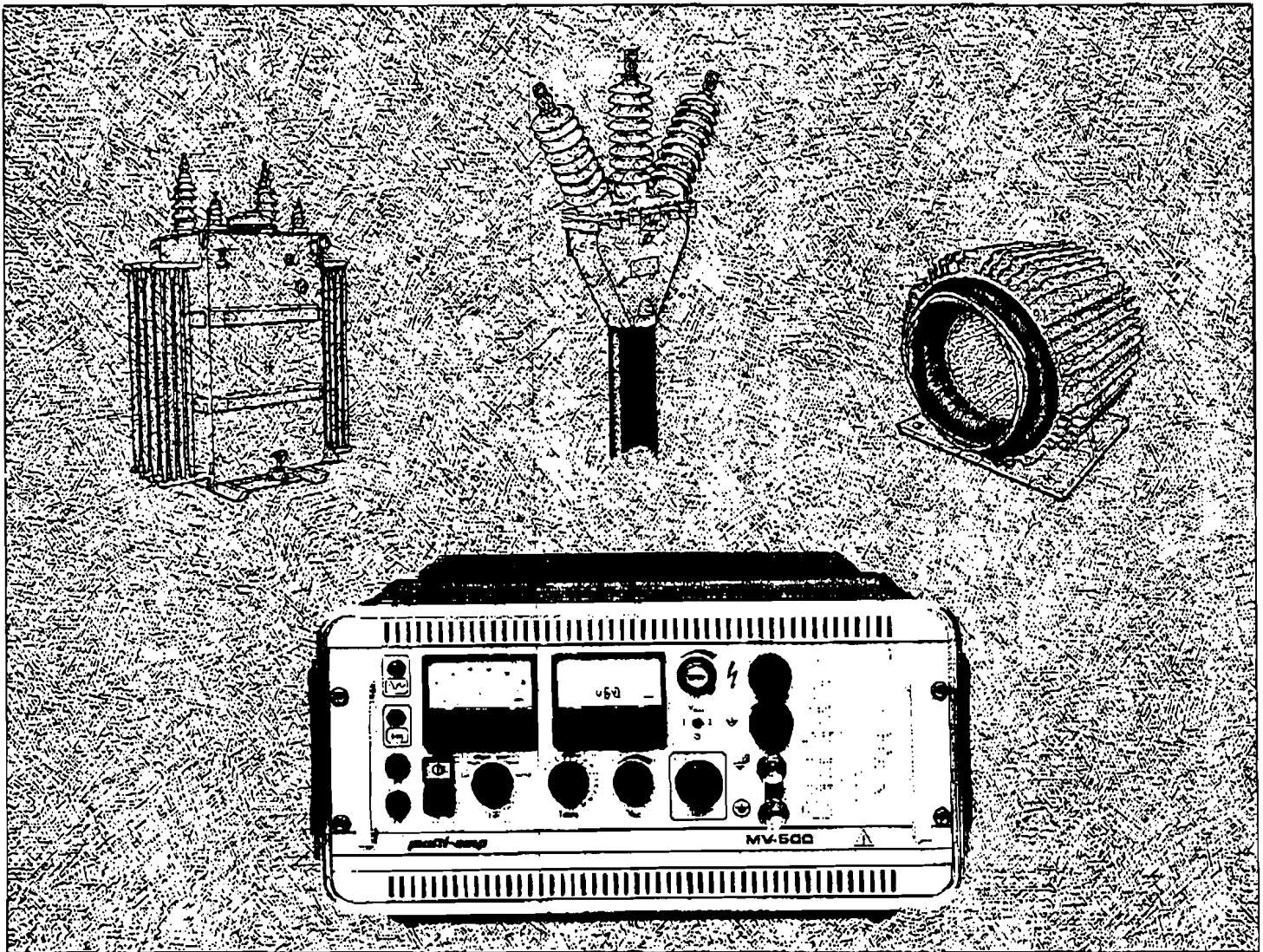




Advanced Test Equipment Rentals
www.atecorp.com 800-404-ATEC (2832)

High-Voltage Versatility New Lightweight, One-Piece DC High-Voltage Test Sets

25 kV ... 50 kV ... 80 kV



This new line of Multi-Amp® test equipment utilizes advanced technology to generate high voltage-direct current. It is ideally suited for checking the insulation integrity of motors, cables, insulators, switchgear, transformers and other electrical equipment. Many of the acceptance and routine maintenance tests conducted by electrical utilities and in industrial systems or commercial plants can easily and safely be performed by

using direct-current methods. The requirements for conducting DC tests are covered by many guidelines and standards issued by I.E.E.E. (e.g., Std. 400-1980 "Making High-Direct-Voltage Tests On Power Cable Systems In The Field"), the Insulated Power Cable Engineers Association, ANSI, NEMA and others.

multi-amp
CORPORATION

4271 Bronze Way Dallas, Texas 75237-1088 U.S.A.
Ph. (214) 333-3201 Telex 163548 MULAM DL Fax (214) 333-3533

Multi-Amp Canada, 445 Finchdene Square, Scarborough, Ontario, M1X 1B7
Ph. (416) 298-6770 Telex 065-25453 Fax (416) 298-7214

Model MV-800

80KV DC High-Voltage Test Set

Features

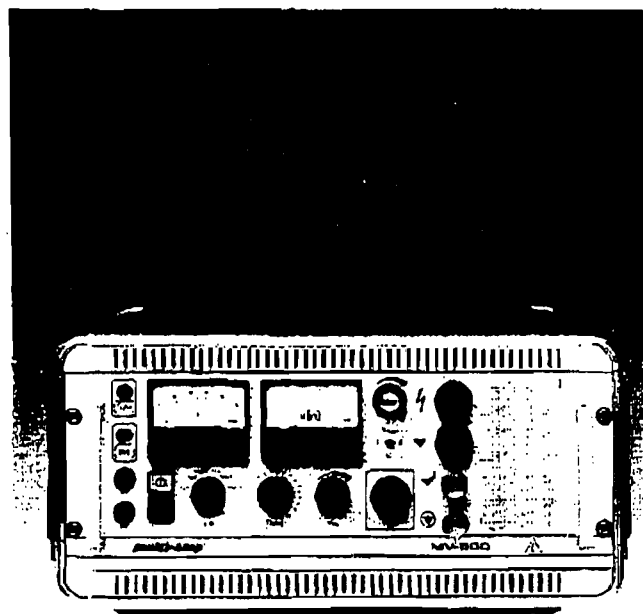
- One-piece construction, including high-voltage section
- Built-in automatic discharge device
- Timer (0 to 30 minutes) with acoustic signal and selectable automatic shut-down
- Six measuring ranges decade selectable
- Smallest readable current 20nA
- Interlock for external safety devices
- Stabilized output
- Variable voltage limit setting

Description

The Multi-Amp Model MV-800 is supplied in a sturdy light-weight case with carrying handles. The high-voltage cable is stored in a compartment provided within the case. The stabilized output voltage allows the recording of the leakage current with an external recorder. A built-in timer provides the means for predetermining the testing time from 0 to 30 minutes. An adjustable limit control of the output voltage allows the operator to set an upper limit on the output voltage which cannot be exceeded until reset. Also included is a built-in automatic discharge device. Six current measuring ranges allow for accurate leakage current metering. Connections for safety interlocks or external warning devices are incorporated. A temperature switch is installed to protect the instrument against overheating. Illuminated switches, pilot lamps and emergency shut-offs ensure safe operation of the test set.

Specifications

Output voltage:	0 to 80kV DC negative polarity-to-ground
Voltage measuring ranges:	16 and 80kV
Current measuring ranges:	1/10/100 μ A, 1/10/100mA
Accuracy:	$\pm 1.5\%$
Current output at 80kV:	1.5mA
Maximum charging current:	20mA
Ripple:	$\leq 1.5\%$
Smallest readable current:	20nA
Safety interlock:	Dry contact
Recorder output:	1mA and 10mA
Dimensions:	19 $\frac{3}{4}$ "W \times 9 $\frac{1}{2}$ "H \times 18D in. (500 \times 240 \times 460 mm)
Weight:	55 lbs. (25 kg)
Power Supply:	110 V \pm 10% 60 Hz 350VA (other voltages on request)



Ordering Information

Catalog Number

DC High-Voltage Test Set Model MV-800,
80kV DC Input Voltage, 110V 60 Hz B411026

Standard Accessories

Unit comes equipped with these standard accessories:

HV cable, 5m BA460771
Ground cable, 3m BA460741
Instruction manual 11551
Guard cable, 5m BA461292
Connector set (interlock/recorder) BA552257

Optional Accessory

External discharge rod BA411510