

**A 60 SA**  
**A 80 SA**  
**A 100 SA**

## FEATURES

- Micro-controller controlled, saves operator's time.
- Recall of individual tests including breakdown voltages, averages, & the test number, all displayed digitally.
- Emergency exit allows the operator to quit the process.
- Safety interlock on high voltage test chamber & zero start.
- The sets are available with printer port &/or RS.232 interface.
- Equipment to enable easy, accurate & safe measurements.



## APPLICATION

These test sets are used for determining the dielectric BDV of insulating oils, both new and in-service from transformers, switchgear & other electrical equipments.

## FUNCTION

- Our instruments have advanced functions for fully automatic tests. They enable the operator to simply prepare oil test cell, load it with sample oil, place it in the chamber and initiate the test sequence. The test set carries out (if necessary unattended), the series of tests as defined in the particular test standard & on completion of a test sequence the average breakdown voltage value is displayed & the value for each individual may be recalled.
- "Initial wait time, rate of rise of test voltage, intermediate stir time, settling time & number of tests" are all pre-programmed into the sequence itself & kept the test program parameters stored in memory.
- When Mains will be Switched ON the instrument will get ready.
- Once the instrument is ready, press H. V. ON button to conduct the test as per the pre-programmed settings. all the number of tests will be conducted one after another automatically.
- Instrument will note the breakdown voltages, calculate average BDV & display. A Test report can be printed on the printer by pressing PRINT button.
- The instrument will save individual BDV & average of last three test samples.



Sr. No.	Test code	Initial Stand Time (Sec.)	Rate of rise of test volt (Kv/Sec)	Inter Mediate Stir (Sec)	Settling Time (Sec)	No. Of Tests
1.	IEC 156	180	2	60	60	6

THE OIL TEST SET CAN BE PROGRAMED & SUPPLIED AS PER OTHER OIL TESTING STANDARD LIKE ISS 6792 OR ASTM : D877 OR ASTM : D1816 OR AS PER CUSTOMER'S REQUIREMENT ( Any one )

### BRIEF SPECIFICATIONS

- **Supply Voltage :**  
230V AC : 50H, Single Phase.
- **Output Voltage :**  
0 - 60Kv or 0 - 80Kv or 0 - 100Kv variable (Any one)
- **Stirrer :**  
A magnetic stirrer is provided in the instruments.
- **Metering & Display :**  
Digital Kv meter to read output test voltage.  
The LCD display unit will indicate all the parameters one after another as per the program.
- **Protection :**
  - a) Fuse
  - b) An electric circuit to trip the instrument when the leakage current through the oil under test will exceed the preset limit.
- **Cabinet :**  
Powder coated sheet metal cabinet.
- **Optional :**  
Rs 232 computer interface.
- **Safety Arrangement :**
  - a) Zero start interlock,
  - b) Oil chamber door interlock,
  - c) Low level, high level interlock for motor
  - d) Fast acting electronics type current sensing circuit in the event of insulation failure of the oil under test
  - e) Facility to quit the process any time.
- **Printer :**  
Built in thermal printer.
- **Standard Accessories :**
  - a) Mains cord, detachable, 1.5mtr long.
  - b) Oil test cell with electrodes
  - c) Electrode spacing gauges GO & NO-GO
  - d) Operating instruction manual.

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**Note :** The above data is subject to change without notice due to continues development