

This set is useful for testing dielectric strength of the insulating oils normally used in the distribution and high voltage transformers. The application of the particular strength of oil is specified in the IS books as per IS standard specifications. As per IS standard this test is for one minute.

2. **Type** : Motor operated to uniformly increase the output voltage between 0 to 0 to 50 KV 'or' 60KV 'or' 70 KV 'or' 75 KV 'or' 80 KV 'or' 90 KV 'or' 100 KV 'or' 120KV with the help of continuously variable Auto Transformer at 2 KV /Sec. Approx.
3. **Input** : 230 /240V AC 50 Hz single phase AC supply.
4. **Output** : 0-50 KV 'or' 60KV 'or' 70 KV 'or' 75 KV 'or' 80 KV 'or' 90 KV 'or' 100 KV 'or' 120KV with center tap earthed infinitely variable. (For Example the output shall be 50kV for a 50kV Oil Test Set, the output shall be 60kV for a 60kV Oil test Set, so on and so forth)
5. **Frequency** : 50 HZ.
6. **Max. generated test voltage :**
  - a) Between transformer : 50KV 'or' 60 KV 'or' 70 KV 'or' 75 KV 'or' 80 KV 'or' 90 KV 'or' 100 KV 'or' 120 KV Rms. (For Example the Maximum terminals generated test voltage between transformer terminals shall be 50kV for a 50KV Oil Test Set and shall be 60kV for a 60KV Oil Test Set, so on and so forth)
  - b) Between transformer : 25KV 'or' 30 KV 'or' 35 KV 'or' 37.5 KV 'or' 40 KV 'or' 45 KV 'or' 50 KV 'or' 60 KV Rms. (For Example the maximum terminals & earth voltage generated between the transformer terminals and earth shall be 25kV for a 50kV Oil Test set and shall be 30kV for a 60kV Oil Test Set, so on and so forth)
7. **Capacity** : 500VA 'or' 600VA 'or' 700VA 'or' 750VA 'or' 800VA 'or' 900VA 'or' 1000VA 'or' 1200VA intermittent. (For example the capacity shall be 500VA for a 50kV Oil Test Set and 600VA for a 60kV Oil Test Set, so on and so forth)
8. **ISS reference** : IS: 6792 / 1972 latest
9. **Indication** : Mains ON and HT ON indicating NEON lamps.
10. **Metering** : Volt meter - panel meter marked 0 - 50KV 'or' 0-60KV 60 KV'or' 70 KV 'or' 75 KV 'or' 80 KV 'or' 90 KV 'or' 100 KV 'or' 120 KV should indicate the applied voltage to liquid dielectric and also have memory effect.
11. **Aux.** : The unit will have necessary switches, fuses indicating lamps, push button operated contactor etc. for efficient operation of unit
12. **Accessories** : GO / NO GO guage of stainless steel, connecting cable 3 core of 3 mm. length.5 Amp. Capacity of 3 pin plug for input supply, spare test cell without electrodes.
13. **INTERLOCKING** :
  - 1) Zero start interlocking
  - 2) HT chamber door interlocking
  - 3) Low level and high level interlocking for drive motor
14. **SAFETY MEASURES**
  - 1) Zero interlocking arrangement before energizing HT transformer after each test
  - 2) A transparent protective hood on the test cup with a interlocking micro switch for operator safety so that the HV transformers cannot be energized or remain energized when the transparent protective hood is opened.
15. **Test Cell** : Methyl Methacrylate cell having effective volume between 300 to 500 ml.
16. **Electrodes** : Brass polished spherical electrodes 12.5 to 13 mm diameter mounted on a horizontal axis which can be set to a gap of 2.5 mm.
17. **Transformer** : Resin encapsulated HT transformer.
18. **Construction** : Naturally air cooled. Portable sheet metal casting provided with handles consisting of control section and HT transformer in single cubicles.



**N.B. A. OIL TESTING SET THAT HAVE BOTH MANUAL AND MOTOR OPERATION ARE ALSO AVAILABLE. SPECIFICATIONS AND PRICES ON REQUEST ONLY.  
B. OIL TESTING SET WITH DIGITAL METERS CAN ALSO BE PROVIDED AT EXTRA COST.**

\*Technical Specifications & Appearance are subject to change without prior notice