

## INTRODUCTION

"METRAVI" brand A.C. High Voltage Test Set is suitable for testing electrical insulation of electric cables, many other items like transformers, motors, switch gear products etc. The set is particularly applicable for testing electrical insulation at site where portability is vital.

## SPECIFICATIONS

<b>INPUT</b>	230 Volts, 50 HZ, Single phase AC. 'OR' 415V 3 Phase (Any One)
<b>OUTPUT</b>	Continuously variable from zero to 2.5KV 'or' 5KV 'or' 10KV 'or' 15KV 'or' 20KV 'or' 25KV 'or' 30KV 'or' 35KV 'or' 40KV 'or' 50KV 'or' 60KV 'or' 70KV 'or' 75KV 'or' 80KV A.C. (Any One)
<b>CAPACITY</b>	Max Permissible transient current is 10 mA 'or' 20 mA 'or' 50 'or' 100mA 'or' 150mA 'or' 200mA (Any One).
<b>DUTY</b>	Intermittent i.e. 5 Mins, 'ON' 10 Mins. 'OFF'. (Test Sets with other duty cycle can also be provided)
<b>UNIT</b>	Two 'or' Three as per the specifications required.

### CONTROL CIRCUITRY:

- Continuously variable auto transformers of suitable capacity.
- Analog milli ammeter along with press to read push button switch for measurement of leakage current.
- Mains 'ON' - 'OFF' Switch & H.T. 'ON' - 'OFF' push button switch incorporated.
- Automatic tripping mechanism for protecting the H.V. transformer against over loading.  
This tripping device incorporated both on L.T. side & H.T. side.  
This tripping device if senses the leakage current to be higher than the preset value it trips the entire H.T. Circuit
- Zero start inter locking will be provided to ensure that the H.V. Circuit cannot be energized unless the voltage regulator is first returned to Zero position.
- Lamp to indicate L.T. ON.
- Lamp to indicate H.T. ON.

All the above components are housed and wired in a highly finished nicely painted sturdy sheet metal cabinets.

### HIGH VOLTAGE TRANSFORMER UNIT

Generally H.T. transformer used in the test set are naturally air cooled resin casting, indoor pattern HV transformer with one end of HT winding earthed through measuring & protective device. Other HV end is brought out through insulated termination. The transformer is designed to yield approx. sinusoidal voltage wave form, and graded insulation is used in winding which is specially designed to withstand frequent spark overs or short circuit conditions under which such testing transformer are designed to operate.

### ACCESORIES

A H.V. bushing, Inter connecting cables and Main power supply cord.

**N.B. - AC High Voltage Test Set of Any other capacity, ratings and duty cycle, other than the ones mentioned above, can also be designed. Please send us the specifications you require so that we can have it designed and send the details to you.**

**Also AC and DC Combined High Voltage Test Sets can also be provided. Please send us the specifications you require so that we can have it designed and send the details to you.**

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

