



Motorized Oil Breakdown Voltage Test System

PE-LOBDV-MXXX

Oil suffers from electrical and mechanical stresses while a electrical equipment is in operation. In addition there are contaminations caused due to chemical interactions with windings and other solid insulations, catalyzed by high operating temperature. As a result the original chemical properties of Oil changes gradually, rendering it ineffective for its intended purpose after many years. Hence this oil has to be periodically tested to ascertain its basic electrical properties, and make sure it is suitable for further use, or necessary filtration has to be done. The most common and easiest test of these is finding out the breakdown or flashover potential of the Oil under test. PE-LOBDV series of Oil Breakdown Tester are available in a variety of maximum test voltages, denoted by their suffixes

- Suffix M060 means – 0-60 kV AC
- Suffix M080 means – 0-80 kV AC
- Suffix M100 means – 0-100 kV AC

PE-LOBDV is a motorized (Automatic) oil test instrument, which is precise and is applied to accurately measure the dielectric breakdown voltage of the Oil under test. It consists of the high AC voltage generating unit, and the Oil vessel (as per applicable standard)





SPECIFICATION

INPUT /OUTPUT

- Power Supply- Single Phase AC 200V-250V 50 Hz
- Voltage output
 - PE-LOBDV-M100- 0-100kV AC
 - PE-LOBDV-M080- 0-80kV AC
 - PE-LOBDV-M060- 0-60kV AC

OUTPUT VOLTAGE RESOLUTION

- 0.1 kV (100V)

AUTOMATIC VOLTAGE RAMP RATE

- approx. 2kV/sec

TRIP CURRENT

- 20mA max

DISPLAY

- 3 ½ Digital display

OUTPUT VOLTAGE ACCURACY

- 2% of readout

ATMOSPHERIC

- Operating Temp- -10°C to +50°C
- Humidity < 75% non-condensing

PHYSICAL

- Size- 450mm(W) × 450mm(D) × 400mm(H)
- Gross Weight- 45kgs (including accessories)

FEATURES

- Smooth operation from zero potential to FSV with motorized (Automatic) operation
- Epoxy casted, long life HV transformer for reliable life long operation
- Accurate & fast trip on breakdown
- HV chamber interlock, Zero Start interlock, Overload & Short-Circuit interlock for operator protection
- Precise HV trip voltage measurement, voltage hold after trip
- Open Ground interlock, Reset interlock for equipment protection
- Non-contact magnetic stirring
- Digital display output, with display hold on trip
- Can be used to test specimen as per IS 6792, IEC 60156



STANDARD ACCESSORIES



- PE-BDVOV-A-Oil vessel with Mushroom Electrodes- 1 set, or, PE-BDVOV-B-Oil vessel with Spherical Electrodes- 1 set, or, PE-BDVOV-C-Oil vessel with Cylindrical Electrodes- 1 set
- go-no go gauge (as per choice of Oil vessel)- 1 no
- Connecting AC mains cable- 1 no
- Printer roll- 1 no (already loaded)
- User manual- 1 no
- Test certificate- 1 no
- Warranty Certificate- 1 no (Standard warranty 1 yr)

Our Products



OIL BREAKDOWN VOLTAGE TEST SYSTEMS



OIL DISSIPATION FACTOR & RESISTIVITY TEST SYSTEMS



CAPACITANCE & TAN DELTA TEST SYSTEMS



HIGH VOLTAGE TEST SYSTEMS
AC/DC HI-POT TESTER



CALIBRATORS



TUNABLE RESONATING INDUCTOR

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