

INSULATING OIL DIELECTRIC BREAKDOWN VOLTAGE TESTER

DESCRIPTION

The ECO-1001D is designed to determine the dielectric breakdown voltage (BDV) of insulating oils used in high-voltage equipment, such as transformers, circuit breakers, and power transmission systems. BDV is measured by applying a steadily increasing voltage between two electrodes immersed in an oil sample, allowing evaluation of the oil's overall condition and helping to prevent critical failures in electrical infrastructure.

TECHNICAL PARAMETERS

MODEL	ECO-1001D
Output voltage	0 to 80 kV
Transformer capacity	1.5 kVA
Voltage rise rate	0.5, 1.0, 2.0, 3.0, and 5.0 kV/s
Electrode gap	2.5 mm (IEC 60156), 2.54 mm (ASTM D877) and 2 mm (ASTM D1816)
Test vessel volume	200 mL
Test methods	3 pre-set methods (IEC 60156, ASTM D1816 and ASTM D877) + 1 user-defined
Display	Color LCD touchscreen
Data storage	Up to 35 test records
Dimensions	409 x 393 x 388 mm
Weight	29 kg
Power	≤ 100W
Power supply	AC 220V±10%, 60Hz



Ecoshel reserves all the rights to changes in product design, if there are any design change, we will not inform in advance.

STANDARD ACCESSORIES

1. Test vessel
2. Disk electrodes
3. Spherical electrodes
4. VDE electrodes
5. Magnetic stir bar
6. Gap gauges

KEY FEATURES

1. Large color touchscreen with an intuitive user interface for easy operation.
2. Supports international test standards (IEC 60156, ASTM D1816 and ASTM D877) along with one user-defined test method.
3. One-piece molded test vessel designed to minimize interference and help reduce the risk of oil leakage.
4. Built-in printer allows hard copies of test results.
5. Supplied with electrodes and gap gauges compatible with test methods.



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