

Insulating Oil Breakdown Voltage Tester

This insulating oil tester evaluates the dielectric strength of oils used in high-voltage equipment. It offers accurate measurements to ensure the quality and performance of insulating oils.



Overview

High-Precision Dielectric Oil Testing

This insulating oil breakdown voltage tester is engineered for precise evaluation of dielectric strength in transformer oils and other high-voltage electrical equipment. It supports multiple international testing standards including IEC60156, ASTM D1816, and ASTM D877, ensuring global compatibility. Designed for both laboratory and field use, the unit features automated reporting capabilities and customizable test parameters to streamline maintenance workflows.

Technical Specifications

Rate of Voltage Rise

- 0.5 kV/s $\pm 5\%$
- 2 kV/s $\pm 5\%$
- 3 kV/s $\pm 5\%$
- 5 kV/s $\pm 5\%$

Output Voltage

100 KV

Test Error Margin

3% RDG + 0.3% FS

Test Capabilities

Available Test Modes

User-defined • Proof test • 5-minute standard • Manual test

Supported Standards

IEC60156, IS6792, BS5874, ASTM D1816, ASTM D877

Operational Features

Data Management

- 100 groups of test data storage
- PC data upload
- Automatic Word report generation
- Calibration interface

User-Defined Settings

9 cycles

Max Test Times

999 s

Max Stir Time

999 s

Max Waiting Time

Physical & Environmental

Operating Environment

Parameter	Value
Temperature	0-50°C
Relative Humidity	d80%RH
Power Supply	AC220V±10%, 50/60Hz

Dimensions	620mm x 430mm x 330mm
Weight	41 kg