

HF-TC-622

# Transformer Oil Breakdown Voltage Tester



Our fully automatic Transformer Oil Breakdown Voltage Tester accurately detects dielectric strength of transformer insulating oil. It features automatic stirring, digital LCD display and built-in thermal printer, lightweight and portable for on-site substation routine oil quality inspection and data recording.

### Key features

- Freeze-Free Stable Operation Optimized EMC design enables continuous normal operation under strong electromagnetic fields without any system halt during testing.
- Durable New-Generation Oil Cup The oil cup is made of special new material, featuring high structural strength and extended service life.

### Technical specifications

| Parameter              | Value                               |
|------------------------|-------------------------------------|
| Output Voltage         | 0~80kV / 0~100kV                    |
| Resolution             | 0.1kV                               |
| Accuracy               | ±(2% reading + 0.2kV)               |
| Voltage Rising Speed   | Optional: 1.0kV/s, 2.0kV/s, 3.0kV/s |
| Breakdown Cut-off Time | ≤1ms                                |
| Test Times             | Adjustable from 1 to 6 times        |
| Oil Cup Capacity       | 400ml / 200ml                       |
| Electrode Gap          | 2.5mm (adjustable)                  |
| Operating Temperature  | 0 ~ 40°C                            |
| Relative Humidity      | ≤80% RH, non-condensing             |
| Power Supply           | AC 220V±10%, 50Hz±1Hz               |
| Overall Size           | 310mm(L) × 420mm(W) × 360mm(H)      |
| Net Weight             | 22kg                                |

### Standard scope of supply

| No. | Item                                      | Qty     | Notes                                  |
|-----|-------------------------------------------|---------|----------------------------------------|
| 1   | Main Unit of Oil Breakdown Voltage Tester | 1 Set   | JY6611 host machine                    |
| 2   | Standard Test Oil Cup + Electrodes        | 1 Set   | 200ml & 400ml dual-purpose             |
| 3   | Power Connection Cable                    | 1 Pc    | AC220V power cord                      |
| 4   | Grounding Wire                            | 1 Pc    | For safety earthing                    |
| 5   | Thermal Printing Paper                    | 2 Rolls | For test report output                 |
| 6   | English User Operation Manual             | 1 Copy  | Complete operation & maintenance guide |
| 7   | Factory Calibration Certificate           | 1 Copy  | Official inspection certification      |
| 8   | Spare Sealing Parts & Accessories         | 1 Set   | Consumables for later replacement      |
| 9   | Shockproof Portable Carrying Case         | 1 Piece | For transportation and storage         |

### Compliance and documents

|                         |                                                    |
|-------------------------|----------------------------------------------------|
| Applicable standards    | [ TO BE CONFIRMED ] standard applied to this model |
| Calibration certificate | [ TO BE CONFIRMED ]                                |
| Optional accessories    | [ TO BE CONFIRMED ]                                |

**Warranty and support**

12-month warranty on every exported instrument. English operation manual and remote video guidance at commissioning. T/T, L/C at sight and deposit terms for bulk orders; sea, air or rail shipping.