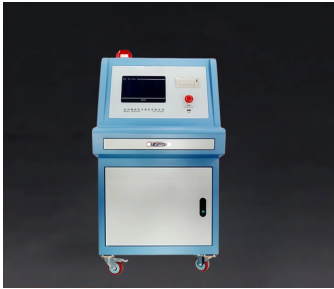


HF-PC-202

# Capacitor Charge Discharge Tester



This capacitor charge discharge tester complies with GB/T 14472-2005 standard. It supports four synchronous test stations with adjustable DC voltage, built-in overvoltage and overcurrent protection to complete cyclic charge-discharge tests accurately for power capacitors.

### Key features

- Test mode: Charge-discharge (dV/dt) test
- Charging resistance: 389ohm / 438ohm or external resistor
- Discharging resistance: 5ohm / 50ohm or external resistor
- Charging / discharging time: 0.1s ~ 999s
- Do not open the safety door during testing.

### Technical specifications

| Parameter                | Value                                                                           |
|--------------------------|---------------------------------------------------------------------------------|
| Test Type                | Capacitor charge-discharge test (dV/dt test)                                    |
| Test Stations            | 3 synchronous stations                                                          |
| DC Voltage Range         | 0V ~ 1000V                                                                      |
| Display Resolution       | 1V                                                                              |
| Display Accuracy         | ±1% ± 2 digits                                                                  |
| Maximum Test Capacitance | ≤1uF                                                                            |
| Charging Resistance      | 389ohm / 438ohm, external resistor configurable; support optional short-circuit |
| Discharging Resistance   | 5ohm / 50ohm, external resistor configurable; support optional short-circuit    |
| Charging Time Range      | 0.1s ~ 999s                                                                     |
| Discharging Time Range   | 0.1s ~ 999s                                                                     |
| Time Accuracy            | ±1%                                                                             |
| Maximum Test Cycles      | 99999 times                                                                     |
| Cycle Count Accuracy     | ±1 count                                                                        |
| Test Chamber             | Integrated built-in chamber, equipped with safety door interlock protection     |
| Optional Accessories     | Oscilloscope + Voltage Probe                                                    |
| Input Power              | AC220V±10%, 50Hz                                                                |
| Overall Cabinet Size     | 650mm (Width) × 850mm (Depth) × 1650mm (Height)                                 |

### 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.