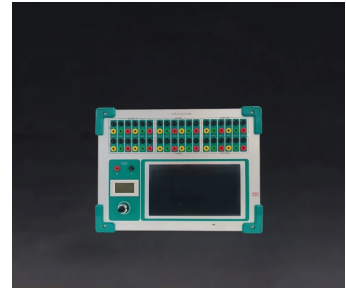


**HF-WC-615**

# Circuit Breaker Simulator



This professional Circuit Breaker Simulator is specially designed for relay protection commissioning in substations and power plants. It can fully simulate closing and opening actions of high-voltage breakers with adjustable time parameters, replacing physical circuit breakers to complete secondary loop tests safely and efficiently.

## Key features

- Equipped with one group of isolated adjustable DC power supply, with a meter to display closing voltage value
- Comes with three groups of closing & tripping coils simultaneously
- Built-in manual closing and tripping functions
- Multi-stage adjustable resistance values for closing/tripping coils
- Multiple optional time ranges for closing and tripping output

## Technical specifications

| Parameter                                    | Value                                                                                                                                                                                 |
|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Power Supply                       | AC220V $\pm$ 10%, 50Hz; Operating Current: < 0.5A                                                                                                                                     |
| Position Output Contacts                     | 6 pairs of mutually independent breaker position contacts, divided into two groups matching breaker trip coils; additional 3 pairs for closing pulses and 3 pairs for tripping pulses |
| Operating Voltage for Closing & Tripping     | Adjustable DC 40V ~ 250V                                                                                                                                                              |
| Closing / Tripping Time                      | Freely settable from 10ms to 1000ms, tolerance $\leq \pm 5\text{ms}$                                                                                                                  |
| Closing / Tripping Current (Coil Resistance) | Infinite ohm, 880ohm, 440ohm, 220ohm, 110ohm, 44ohm                                                                                                                                   |
| Contact Capacity                             | DC220V/0.5A, AC220V/5A                                                                                                                                                                |
| Closing & Tripping Pulse Output              | 3 groups of 500ms switching quantity contacts                                                                                                                                         |
| Standard Closing/Tripping Current            | 0A, 0.25A, 0.5A, 1A, 2A, 5A                                                                                                                                                           |

## Standard scope of supply

| No. | Item                                                                     | Qty     | Notes |
|-----|--------------------------------------------------------------------------|---------|-------|
| 1   | Main Control Host (HZMN-III Circuit Breaker Simulator with touch screen) | 1 Set   |       |
| 2   | Output Signal Connection Cables (for trip & close contacts)              | 1 Set   |       |
| 3   | Power Input Cable AC220V                                                 | 1 Piece |       |
| 4   | Jumper Wires & Terminal Test Leads                                       | 1 Set   |       |
| 5   | English & Chinese User Operation Manual                                  | 1 Copy  |       |
| 6   | Factory Calibration Certificate                                          | 1 Copy  |       |
| 7   | Factory Inspection Test Report (FAT Report)                              | 1 Copy  |       |
| 8   | Spare Fuses & Small Consumable Parts                                     | 1 Set   |       |
| 9   | Portable Shockproof Aluminum Alloy Carrying Case                         | 1 Set   |       |

## 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.