

TEST-905

5000A PRIMARY CURRENT INJECTION TEST EQUIPMENT FOR CIRCUIT BREAKER TESTING

TEST-905 5000A primary current injection test equipment adopts ARM chip to control the output process and large capacity of toroidal transformer. It is equipped with LCD screen display ammeter, also showed primary current value, secondary current value, turn ratio and the action time. Aluminum alloy body with PC panel component the shell. TEST-905 primary current injection test equipment is mainly applied to test CT turn ratio and polarity in the power system, the contact resistance, protection relay, low voltage & high voltage circuit breaker protection test and high voltage generator test etc, which need large current on-site or in the lab. This primary injection test equipment can be used as cable temperature rise testing equipment.

Application

1. Switchgear testing;
2. Ground Grid testing;
3. Circuit Breaker testing;
4. Protective Relay testing;
5. Temperature rise testing;
6. Recloser and Sectionalizers;
7. Current Transformer Testing;
8. 5000A Primary injection tests;



Features

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. Portable designed 3. With CT ratio test function 5. Max current output up to 5500A 7. Built-in digital ammeter 0.5% accuracy 9. Made up of two units, control and power unit | <ol style="list-style-type: none"> 2. Quick and easy to use 4. With 6m large current cable 6. Built-in digital timer, resolution 1 ms 8. Permanent current up to 5000 A, 30KVA 10. Thermal, short-circuit and overload protection |
|---|--|

Parameters

Electrical parameters

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|-------------------|-------------------------|
| Accuracy | ±0.5% |
| Power Supply (AC) | 380V±10%·80A, 50Hz/60Hz |

Parameters

Electrical parameters - continued

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| Current Output (AC) | 5000A-5V or 2500A-10V |
| Capacity | 30KVA |
| The current output waveform distortion | ≤5% |

Primary current

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|------------|---------|
| Range | 0-5500A |
| Resolution | 0.1A |
| Accuracy | <0.5% |

Secondary measurement

| | |
|------------|--------|
| Range | 0-6A |
| Resolution | 0.001A |
| Accuracy | <0.5% |

Current duration

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|-------------------|--------------------------------------|
| 5000A range | 5000A 2-3minutes 2500A 3-6minutes |
| 2500A range | 2500A 2-3minutes |
| Continuous output | 2000A |

With timer(Optional)

| | |
|------------|-----------------|
| Range | 0.0001~999.999S |
| Resolution | 0.001S |
| Accuracy | <0.2% ±5 words |

Standard

| | |
|--------------------|---------------------------------|
| Standard | IEC61010-1;IEC 61326-1 |
| Communication port | RS232 |
| Cable | length 8x4m, 120mm ² |

Mechanical parameters

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|-------------------------|--|
| Dimensions (W×D×H) (mm) | 430×430×445 and 550×450×600 |
| Weight (kg) | Control Host 68kg, External voltage regulator weight 55kg |

Environmental conditions

| | |
|-----------------------|---------------------|
| Operating Temperature | -10°C to 50°C |
| Storage Temperature | -40°C to 70°C |
| Relative humidity | ≤95%, on-condensing |

Selection guide

| Model | Accuracy | Primary Current | Ammeter (0-6A) | Timer | Power | Injection Current time | Dimension (W×D×H) (mm) | Weight | Remark |
|----------|----------|-----------------|----------------|-------|-------|--------------------------------|-----------------------------------|-----------|----------------------|
| TEST-901 | 0.5% | 0-1100A | YES | YES | 5KVA | 1000A: 2-3min; 500A:3-6min | 430×260×260 | 25KG | Integrated structure |
| TEST-902 | 0.5% | 0-2200A | YES | YES | 12KVA | 2000A:2-3min; 1000A:3-6min | 360×300×295 and 320×300×300 | 35KG+15KG | Fission structure |
| TEST-903 | 0.5% | 0-3300A | YES | YES | 15KVA | 3000A: 2-3min; 1500A:3-6min | 380×350×360 and 340×290×420 | 48KG+42KG | Fission structure |
| TEST-905 | 0.5% | 0-5500A | YES | YES | 30KVA | 5000A:2-3min; 2500A:3-6min | 430×430×445 and 550×450×600 | 68KG+55KG | Fission structure |