

TEST-903

Primary Current Injection Test Kit

TEST-903 primary current injection test kit adopts ARM chip to control the output process and large capacity of toroidal transformer. It is equipped with LCD screen display current meter, also showed primary current value, secondary current value, turn ratio and the phase shift. Aluminum alloy body with PC panel component the shell. TEST-903 is mainly applied to test CT turn ratio and polarity in the power system, the contact resistance, high voltage circuit breaker protection test and high voltage generator test etc, which need large current on-site or in the lab.



Applications

1. Primary injection tests.
2. Protective Relay Testing
3. Circuit Breaker Testing
4. Current Transformer Testing
5. Recloser and Sectionalizers
6. Switchgear Testing
7. Ground Grid Testing

Features

1. Permanent current up to 3000 A, 15KVA
2. Max current output up to 3300A.
3. Built-in digital ammeter 0.5% accuracy.
4. Built-in digital timer resolution 1 ms (Optional).
5. Made up of two units, control and power unit
6. Thermal and short-circuit protection.

Parameters

| Electrical parameters | |
|--|-----------------------|
| Accuracy | ±0.5% |
| Power Supply (AC) | 380V·50A, 50Hz/60Hz |
| Current Output (AC) | 3000A·5V or 1500A·10V |
| Capacity | 15KVA |
| The current output waveform distortion | ≤5% |
| Primary current | |
| Range | 0-3300A |
| Resolution | 0.1A |
| Accuracy | <0.5% |

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Electrical parameters-continued
Secondary measurement

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

Current duration

| | |
|-------------|--------------------------------------|
| 3000A range | 3000A 2-3minutes 1500A 3-6minutes |
| 1500A range | 1500A 2-3minutes |

With timer(Optional)

| | |
|------------|----------------|
| Range | 0.0001~999.99S |
| Resolution | 0.001S |
| Accuracy | <0.5% ±5 words |

Mechanical parameters

| | |
|-------------------------|--|
| Dimensions (W×D×H) (mm) | 380×350×360 and 340×290×420 |
| Weight (kg) | Control Host 48kg, External voltage regulator weight 42kg |

Environmental conditions

| | |
|-------------------|---------------|
| Temperature | -10°C to 40°C |
| Relative humidity | ≤80% |

Selection Guide

| Model | Accuracy | Primary Current | Ammeter (0-6A) | Timer | Power | Injection Current time | Dimension (W×D×H) (mm) | WT | Remark |
|----------|----------|-----------------|----------------|----------|-------|--------------------------------|-----------------------------------|-----------|----------------------|
| TEST-901 | 0.50% | 0-1100A | YES | YES | 5KVA | 1000A: 2-3min; 500A:3-6min | 430×260×260 | 25KG | Integrated structure |
| TEST-902 | 0.50% | 0-2200A | YES | OPTIONAL | 12KVA | 2000A:2-3min; 1000A:3-6min | 360×300×295 and 320×300×300 | 35KG+15KG | Fission structure |
| TEST-903 | 0.50% | 0-3300A | YES | OPTIONAL | 15KVA | 3000A: 2-3min; 1500A:3-6min | 380×350×360 and 340×290×420 | 48KG+42KG | Fission structure |
| TEST-905 | 0.50% | 0-5500A | YES | OPTIONAL | 25KVA | 5000A:2-3min; 2500A:3-6min | 430×430×445 and 550×450×600 | 68KG+55KG | Fission structure |

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