

# Model T1000



# Primary Injection and Test Equipment

### Features :

- Relay & CT Tester function
- Multimeter Function
- Easy to control
- External PC control function (Optional)
- Advanced high power constant current source with pulse width modulation technology

### Specifications

|  |                                    |
|--|------------------------------------|
| <b>High power AC current output (I1)</b> |                                    |
| Range                                    | 2A~50A 50A~1000A                   |
| Accuracy                                 | ±0.5%                              |
| Output voltage                           | 20V 7V                             |
| Max Power                                | 7000VA                             |
| Load time                                | 1000A 2min                         |
| <b>Ammeter</b>                           |                                    |
| Range                                    | 0~6A AC/DC                         |
|  | 0~2000A AC with external CT        |
| Accuracy                                 | ±1%                                |
| <b>Voltmeter</b>                         |                                    |
| Range                                    | 0~600V AC/DC                       |
| Accuracy                                 | ±1%                                |
| <b>Binary inputs</b>                     |                                    |
| Number                                   | 2 ( auto detection)                |
| Input characteristics                    | ±30~±250V DC, or potential free    |
| Time resolution                          | ±1ms(0.001~1s) ±0.1%(1~9999.999s)  |
| Max. measuring time                      | 9999.999s                          |
| <b>Binary output</b>                     |                                    |
| Number                                   | 1                                  |
| Type                                     | Potential free relay contacts      |
| Break capacity AC                        | Vmax 250V AC/ Imax 8A/ Pmax 2000VA |
| Break capacity DC                        | Vmax 250V DC/ Imax 8A/ Pmax 150W   |
| <b>Power supply</b>                      |                                    |
| Nominal input voltage                    | 220Vac                             |
| Permissible input voltage                | -20% ~+15%                         |
| Nominal frequency                        | 50~60Hz                            |
| Permissible frequency                    | 45~65Hz                            |
| <b>Others</b>                            |                                    |
| Operation temperature                    | -5 ~+50°C                          |
| Operation humidity                       | 5~95 %, non-condensing             |
| Weight                                   | 30kg                               |
| Dimensions (W x H x D)                   | 260 ×330×500 mm                    |
| PC connection                            | USB                                |
| Ground Socket (earth)                    | 4 mm banana socket; front side     |
| Emergency Button                         | keylock emergency push button      |

### High power AC voltage output (U1)

|           |             |
|-----------|-------------|
| Range     | 10~250V     |
| Accuracy  | ±0.5%       |
| Power     | 250VA(125V) |
| Load time | continuous  |

### High power DC voltage output (Udc)

|           |                             |
|-----------|-----------------------------|
| Range     | 10~300V                     |
| Accuracy  | ±0.5%                       |
| Power     | 600W                        |
| Load time | Output : <1A >1A            |
|           | Time : continuous Max 60min |

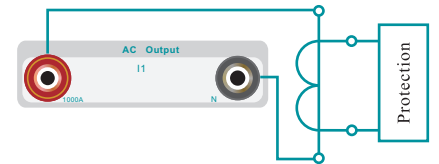
### Auxiliary DC voltage output (Aux Udc)

|           |                          |
|-----------|--------------------------|
| Range     | 20~240V                  |
| Accuracy  | ±1%                      |
| Power     | 55W at 110V/110W at 220V |
| Load time | continuous at 0.5A       |

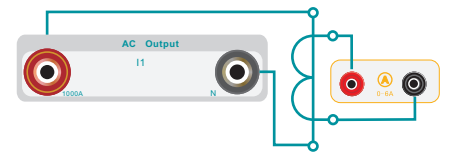
### Certificates

|                |                          |
|----------------|--------------------------|
| EMC (Emission) | IEC-61000-3-2/3          |
| EMC (Immunity) | IEC 61000-4-2/3/4/5/6/11 |
| Safety         | IEC 61010-1              |

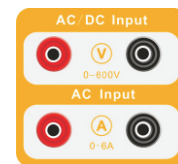
### Inject current into CT's primary side



### CT Ratio

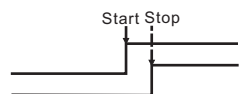
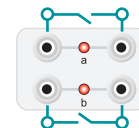
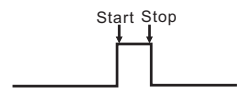
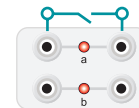


### Ammeter and voltmeter



Internal measurement  
External measurement

### Single/ Dual timer



## Offline Test

### Menu

|                               |                   |                       |
|-------------------------------|-------------------|-----------------------|
| <b>T1000 Universal Tester</b> |                   | <b>V1.0</b>           |
| <b>Any test</b>               | <b>Relay test</b> | <b>Auxiliary DC</b>   |
| <b>CT test</b>                | <b>Timer</b>      | <b>Report view</b>    |
|                               |                   | <b>System Setting</b> |
|                               |                   | <b>PC control</b>     |

### Manual & Meter

|                           |                  |             |
|---------------------------|------------------|-------------|
| <b>Manual &amp; Meter</b> |                  | <b>F1 ↑</b> |
| <b>AC-I1 1000A ▼</b>      | <b>I1 50.00A</b> |             |
| <b>V 005.00V</b>          |                  |             |
| <b>A 001.00A</b>          |                  |             |
| <b>05.000Ω</b>            |                  |             |

### Motor overload test

|                             |                   |             |
|-----------------------------|-------------------|-------------|
| <b>Motor 1000A</b>          |                   | <b>F1 ↑</b> |
| <b>Offset</b>               | <b>I1 000.00A</b> | <b>Time</b> |
| <b>Test&gt; Press Enter</b> | <b>I1 050.00A</b> |             |

## Software

### Manual Test

### Auto Test