

# **3A-Transformer Resistance Tester**

## **Type KTP-3A-TRT**



### **Description :**

This instrument is a high-precision regeneration product used to replace DC single/double bridge. Equipped with advanced switch power supply technology, the measurement speed of the instrument is faster a hundred times than that of the bridge. Using four and half bits LCD to display the measurement results and three and half bits LCD to display ambient temperature or test current value, it overcomes the shortcoming of other similar products that it is difficult to read value from the LED display in the sun and possesses automatic arc suppression function. The instrument is characterized by fast test speed, high precision, intuitive display, strong anti-interference ability, small size, low power consumption, stable and reliable test data. Built-in rechargeable battery pack (12V) and AC/DC dual-use, the instrument is very convenient for on-site and field test. The instrument meets DLT 845.3-2004 "resistance measurement device general technical requirements-Part 3 DC Resistance Tester" requirements.

### **Features :**

1. Fast test, the maximum output charge current of the instrument is up to 3A. When measuring it can effectively compensate current inertial for large inductor and accelerate core saturation, thereby reduced the charging time and increased test speed. Its test speed is faster hundreds of times than the traditional single instrument and double bridge.
2. High accuracy, the application of advanced four-terminal measurement and constant current source technology to the instrument makes the inductive load charging current hold a relatively stable value. Based on that, and the instrument with stable anti-sense capability and strong anti-interference characteristics can ensure the accuracy of measurement. And the use of imported high-quality components not only improves the measurement accuracy, but also makes the instrument have good repeatability.
3. Wide measurement range, resistance measurement range  $1\mu\Omega \sim 2K\Omega$ , wide range.
4. AC and DC power supply, attached rechargeable battery, the instrument can use AC and DC power supply. Portable design, it is easy to carry and use.

---

## **PT.SURYA TOTAL PERTIWI**

### **INDUSTRY & SUPPLIER**

Jl. Danau Sunter Blok B.1A/15 Sunter Agung-Jakarta Utara 14350

Jl. Sunter Paradise Blok F12 No. 1 Sunter Podomoro – Jakarta Utara 14350

Telp. (021) 65307382 / Fax. (021) 6516120 E-mail:ptstpj@uninet.net.id Website : www.suryatotalpertiwi.com

## **Technical Specifications :**

1. Work Environment :
  - Temperature :  $0^{\circ}\text{C}\sim 40^{\circ}\text{C}$
  - Relative Humidity :  $\leq 85\%$
2. Measurement Range :

The instrument has six ranges as follows :

  - 1  $\mu\Omega\sim 20\text{m}\Omega$
  - 20  $\text{m}\Omega\sim 200\text{m}\Omega$
  - 0.2 $\Omega\sim 2\Omega$
  - 2 $\Omega\sim 20\Omega$
  - 20 $\Omega\sim 200\Omega$
  - 200 $\Omega\sim 2\text{k}\Omega$
3. Measurement Accuracy : 0.2 class
4. Maximum Resolution : 1 $\mu\Omega$
5. Constant current source :
  - 3A (1 $\mu\Omega\sim 20\text{m}\Omega$ , 20  $\text{m}\Omega\sim 200\text{m}\Omega$ , 0.2 $\Omega\sim 2\Omega$ )
  - 300mA (2 $\Omega\sim 20\Omega$ )
  - 30mA (20 $\Omega\sim 200\Omega$ )
  - 3mA (200 $\Omega\sim 2\text{k}\Omega$ )
6. Working Voltage :
  - DC : 11V~14V
  - AC : 220V
7. Power Dissipation :  $\leq 15\text{W}$
8. Dimension : 365 $\times$ 330 $\times$ 180mm
9. Weight : 5Kg (included test clamp and test lead)



## **PT.SURYA TOTAL PERTIWI INDUSTRY & SUPPLIER**

Jl. Danau Sunter Blok B.1A/15 Sunter Agung-Jakarta Utara 14350

Jl. Sunter Paradise Blok F12 No. 1 Sunter Podomoro – Jakarta Utara 14350

Telp. (021) 65307382 / Fax. (021) 6516120 E-mail:ptstpj@uninet.net.id Website : www.suryatotalpertiwi.com