

# Transformer Tap Changer Tester

## General information about ADTC-5000 Transformer Tap Changer Tester

ADTC-5000 Transformer Tap Changer Tester can accurately measure the transient time, transient waveform, transient resistance, three-phase synchronization and other parameters of the load tap changer. It is an ideal device for testing load tap changer. It meets the requirements of checking the action sequence of load tap changer and measuring of switching time.

### Features:

- ✓ Test Y0, Y,  $\Delta$  type transformer, the resistance will be displayed directly without conversion.
- ✓ Automatically identify faults of the waveform and make a mark.
- ✓ Test with winding or without winding.
- ✓ The sampling data can automatically adjust resistance and time range, to display waveform.
- ✓ 3-phase synchronization display for  $\Delta$ -type transformer.
- ✓ Four terminal connection mode, with high accuracy resistance measurement.
- ✓ Continuous testing, saving the power cut time of transformer.
- ✓ Generate word reports, more convenient for data management and query.
- ✓ Controlled by a small computer.
- ✓ Color LCD touch screen, high speed printer, external mouse can be connected.
- ✓ 1000 sets of data can be stored.
- ✓ External U disk can be used for storage.



## Technical Specification of the device:

- 3-phase constant current source charging, charging current: 3A/1A step, 0.6A/0.2A step
- Max. Terminal voltage: 24V
- Max. Range of transient resistance: 100 $\Omega$
- Measuring range of transient resistance: 1A step: 0.4 $\Omega$ -20 $\Omega$ ; 0.2A step: 10 $\Omega$ -100 $\Omega$
- Time length of waveform recording: 300ms
- Sampling rate: 30k
- Time resolution: 0.1ms
- Resistance resolution: 0.1 $\Omega$
- Accuracy: Transient resistance:  $\pm 5\%$  of the reading  $\pm 0.1\Omega$
- Accuracy: Transient time:  $\pm 0.5\%$  of the reading  $\pm 0.2ms$
- Working condition: Temperature -10~40 $^{\circ}C$ , Humidity <85% RH

