

CURRENT TRANSFORMER CHECKER DAC-CTC-7 VOLTAGE TRANSFORMER CHECKER DAC-VTC-7



(Picture: DAC-CTC-7)

An instrument transformer which rated secondary current or voltage is very low is usually composed of electric device like electronic power meters, watt hour meters or transducers, so that the secondary current or voltage can directly be supplied to electronic circuits in the devices. DAC-CTC-7 for CT and DAC-VTC-7 for VT are applicable to test such transformers and measures ratio errors and phase angles precisely.

Specimen and application

Measuring ratio errors and phase angles of low current transformers (CT) or low voltage transformers (VT) in watt hour meters, smart meters, digital current meters and different transducers.

Two Mode to measure

Two measuring modes are available.

One of them is a comparison measuring mode which compares a reference CT (VT) and a CT (VT) under test. Another one is an absolute measuring mode which measures only a CT (VT) under test. Because a suitable CT (VT) sorted from mass productions in the absolute measuring mode can be used as a reference one in the comparison measuring mode, no need to prepare any reference CT (VT) specially.

Features

- •Wide Phase angle 0.0 to 2000 minutes.
- Fast measurement.
- •Light in weight and compact in size.
- Simple operation and clearness display.



CURRENT TRANSFORMER CHECKER Model DAC-CTC-7 VOLTAGE TRANSFORMER CHECKER Model DAC-CTC-7

Test Mode

Absolution measuring mode

Ratio Errors and Phase Angles between primary and secondary winding of a transformer are given.

Comparison Measuring Mode

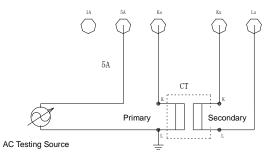
Comparing a transformer under test and a reference transformer in the same ratio, ratio errors and phase angles are given.

Measuring Range

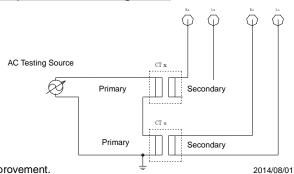
DAC-CTC-7		DAC-VTC-7
(for Current Transformer)		(for Voltage Transformer)
Rated Current:		Rated Voltage:
Absolution measuring mode		Absolution measuring mode
Primary Current Range		Primary Voltage Range
5A range : 100mA – 6000mA		110V : 110V
1A range : 20mA – 1200mA		63.5V : 63.5V
Secondary Current Range		Secondary Voltage Range
	: 0.02mA – 1200mA	: 0.1V – 10V
Comparison measuring mode		Comparison measuring mode
Secondary current range of Reference CT		Secondary voltage range of Reference VT
	: 0.02mA – 1200mA	: 0.002V – 12V
Secondary current range of CT under test		Secondary voltage range of VT under test
, ,	: 0.02mA – 1200mA	: 0.002V – 12V
Ratio Error	: 0.00% - +/-20.00%	
Phase Angle	: 0.0mim - +/-2000min	
Test Frequency	: 50/60Hz	
Measuring Accuracy	: Ratio Error	: +/- (3%Rdg+3digits) at >5% of rated current
		: +/- (3%Rdg+5digits) at <=5% of rated current
	: Phase Angle	: +/- (3%Rdg+3digits) at >5% of rated current
		: +/- (3%Rdg+5digits) at <=5% of rated current
Input Burden	: Less than 1VA	. +/- (3/01/dg+3digits) at <=3/0 of fated current
AC Input : AC100V- 240V +/-10% 50/60Hz		0/60H-
Interface	: USB	
Judgment Function		
	Size and Weight : W430 x D380 x H150mm Approx 8kg	
Oizo and Weight	. ** +30 x D300 x 1113011111	TAPPION ONG

Measuring Diagram (DAC-CTC-7)

Absolute Measuring Mode



Comparison Measuring Mode



*Specifications are subject to change without prior notice for improvement.



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