

DAC-VCTT-8

INSTRUMENT TRANSFORMER TEST SET

Specifications

- **Test Method** Comparison of the instrument transformer under test with a measurement standard Transformer having the same transformation ratio.
(A standard voltage transformer or Current transformer is to be prepared by user.)

- **Rated secondary and test range**

	Rated Secondary	Test Range
CT	1 A, 5 A	1 ~ 200%
VT	110, 120, 150, 200, 230, 63.5, 190/3 V	2 ~ 120%
	100/3, 110/3, 200/3 V	5 ~ 200%

- **Measurement range**

Ratio error (RCF) and phase angle

Measure Range	Ratio Error	Phase angle
2% Range	$\pm 1.999\%$ (0.98040-1.02040)	± 99.9 min
20% Range	$\pm 19.99\%$ (0.83440-1.24984)	± 999 min

Rated secondary Current: 0 – 210% of rated secondary current

	Phase angle
Rated 1A	0.000 – 2.100A
Rated 5A	0.00 – 10.50A

Rated secondary Voltage: 0 – 300V

Test Frequency: 45 - 66Hz

- **Resolutions**

Measurement Range	Ratio Error	Phase angle
2% Range	0.001%	0.1 min
20% Range	0.01%	1 min

Rated secondary current	Reading in % of rating	Reading in current
Rated 1A	0.1%	0.001A
Rated 5A	0.1%	0.01A

- **Accuracy**

Ratio error: $\pm (3\% \text{rdg} + 2 \text{ digits})$ * $\pm (3\% \text{rdg} + 3 \text{ digits})$ when less than rated 20%

Phase angle: $\pm (3\% \text{rdg} + 2 \text{ digits})$ * $\pm (3\% \text{rdg} + 3 \text{ digits})$ when less than rated 20%

Voltage/Current: $\pm (3\% \text{rdg} + 3 \text{ digits})$

Frequency: $\pm 0.1\text{Hz}$

- **Internal Burden:** 0.1VA or less
- **Interface:** USB (2.0/1.1) or GP-IB(as option)
- **Input power:** AC100-240V $\pm 10\%$, 50/60Hz
- **Size and weight:** W430xH200xD380 (mm), about 20kg

Note: Specifications are subject to change without notice due to our commitment to continual product improvement.