



A TESCO COMPANY

KATC-V2 AUTOMATIC VOLTAGE TRANSFORMER COMPARATOR

SPECIFICATIONS

ISSUE SOLVED

Got older, slower equipment? Knopp's KATC-V2 is faster, more robust and more accurate!

Knopp's KATC-V2 is a highly accurate state-of-the-art voltage transformer comparator that is compatible with all older generation Knopp comparators, and is designed to be a direct, plug-in replacement with additional test set cables to fit in the existing Knopp Voltage Transformer Test Systems.

Save time and money on service by upgrading your comparator to our new next generation model!



FEATURES

- Interchangeable with other Knopp comparators
- Compatible with TESCO Test Manager
- Automatic sensing of 50 or 60 Hertz voltage
- Calculation and display of ANSI accuracy class
- Fast testing time (less than one minute)
- Automatic operation (no manual "nulling" or adjustments required)
- Auto-ranging capability
- Full color LCD display
- Emergency shutoff feature through control of the interlock relay
- Direct plug in replacement that comes with enhanced cable harnessing

Dimensions: 19" wide x 18.1" deep x 5.25" high. Note: This is a standard 3U rack enclosure.

Weight: Approximately 25 pounds

Input Power: 85 to 250 VAC, 2.5A, 50/60 Hz

Test Frequency: 50±1 Hz, 60±1 Hz

Standard Input

Range:	40V to 350V
Phase Error:	±90 degrees
RCF:	0 ≤ RCF ≤ 10
Ratio Error:	-100% ≤ Ratio Error ≤ +100%
Accuracy Class:	0% ≤ Accuracy Class ≤ 100%
Resolution:	RCF: 0.00001
	Phase: 0.001 degrees
	Accuracy Class: 0.01

	Resolution:		
	RCF	Phase Angle (Minutes)	Acc. Class
0.0% ≤ Acc. Cl. < 0.2%	0.00001	0.01	0.01
0.2% ≤ Acc. Cl. < 0.7%	0.00001	0.1	0.01
0.7% ≤ Acc. Cl. < 1.4%	0.0001	0.1	0.01
1.4% ≤ Acc. Cl. < 10.0%	0.0001	1	0.01
10.0% ≤ Acc. Cl.	0.0001	1	0.1

Accuracy: RCF < 0.005%
Phase < 0.002 degrees

Burden: Standard Transformer—typically less than 0.2 VA at 5A.
Test Transformer—typically less than 0.2 VA if within 0.6% Accuracy Class.

I/O Connections: Two (2) USB 2.0 (front panel); Ethernet (front panel); RS485 Multi-drop (rear panel for internal communications)

Transformer Inputs: S: High side reference transformer, U: High side transformer under test (TUT), G: Ground (low side reference and TUT).

New Inputs: AC line input current monitor; AC line input voltage monitor; TUT primary voltage monitor

Accessories: New external cable set included

Related Equipment: Knopp's KVTS Voltage Transformer Testing System

