

CT/PT AUTO TEST (CPAT) - A Systematic way to increase the efficiency, productivity of the CT/PT testing department

CPAT is a fully integrated test suite for testing of Current Transformer and Potential Transformer of all rating. The suite consists of Test bench, CT/PT Test Bro - an interface and reporting software, Measuring instruments, Variac, Loading transformer, Balancing transformer, HV tester, Standard CTs, Standard PTs, Burden Box & Name Plate Machine.

With CPAT, operator connects test bench leads to the CT/PT under test. Then he clicks to start tests in sequence. CPAT then automatically conducts all the tests and signals completion on the screen. CPAT prints report that are in full compliance with IS, IEC standards and name plate is automatically punched. In CPAT, there is facility to test multiple CTs at a time.

Benefits of CPAT

- 1) Automated data acquisition ensures error free data logging and assists in carrying out statistical analysis of test results
- 2) It allows users to easily store and retrieve data with simple but intuitive graphical user interface
- 3) It increases testing productivity significantly by reducing test preparation time, testing process time and report generation time
- 4) Because of fixed cabling with instruments, CPAT eliminates the subsequent cable connection

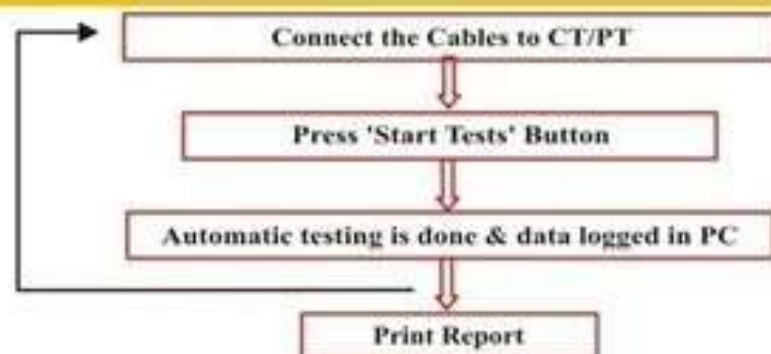
TESTS COVERED BY CPAT

S. N.	Tests
	For Current Transformer
1	Accuracy test
2	Ratio error and phase angle
3	Knee point voltage, Composite error & ISF test
4	Verification of terminal marking & polarity test
5	Power-frequency on primary and secondary winding
6	Limit of temperature rise of winding
7	Over Voltage inter-turn test
8	Winding resistance

S. N.	Tests
	For Potential Transformer
1	Accuracy test
2	Ratio error and phase angle
3	Induced over voltage test
4	Voltage withstand test on windings
5	Polarity test & verification of terminal marking
6	Limit of temperature rise of winding
7	Winding resistance
8	Excitation test

Instruments covered in CPAT

Power Analyser
CT/PT Tester
Resistance meter



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