

INSTRUMENT TRANSFORMERS, INC.
Product Bulletin

Section: High Voltage
Number: HV-12-PB002
Revision: 0
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**ROUTINE TEST PROGRAM
FOR CURRENT TRANSFORMERS**

TEST	IEEE C57.13-1993	RITZ	REMARKS
Polarity and Terminal Marking	Ref. cl. 4.7.2 (d) Verify terminal markings and polarity are consistent.	Per cl. 4.8.1	Verify compliance with customer requirements and manufacturing uniformity.
Accuracy Tests	Ref. cl. 4.7.2 (c) Verify that the TCF is within specified limits.	Per cl. 6.11 Test to limits specified on main nameplate	
Induced Voltage Tests	Ref. cl. 4.7.2 (b) One minute test voltage applied to secondary with primary winding open circuited.	Per cl. 6.7.2 Apply 2 times nominal voltage to secondary winding.	
Applied Voltage Tests	Ref. 4.7.2 (a) 2.5 kV rms @ 60 Hz for 1 minute on secondary windings.	Per cl. 4.5 & 8.8 Test between secondary windings and between secondary windings and ground.	
Power Frequency Applied Voltage Tests	Ref. cl. 4.7.2 PFWV at 60 Hz for 1 minute	Per cl. 4.5 and 8.8.3 Primary voltage applied to verify insulation integrity.	
Winding Resistance	Not Required	QA Test on all windings and taps	To verify uniformity of manufacture
Partial Discharge Test	Not required as a Routine Test Ref. cl. 4.7.4 (e)	Test at applied primary voltage of $1.2 U_m/\sqrt{3}$. Partial discharge <10 pC after 1 min.	This test ensures long term reliability by testing the dielectric integrity of the insulation system.