PCT200i CT/PT Test System



Main Features

- Can test M/P/TP type, bushing and GIS type CT
- Ratio check up to 30000:1 and 45000:5
- Knee point/Excitation Test check up to 45000V
- More than 100,000 reports can be saved in its local storage, and support report software used on the kit and on PC for managing and analyzing the reports
- Standards: IEC60044-1/6, IEC61869-2, ANSI/IEEE C57.13, IS2705
- Guess nameplate function
- Results saved in Excel format
- Report can be transferred to flash disk via USB port and view and print the report on a PC
- Report could be customizable
- Local sunlight readable LCD display, 8.4 inch screen, within built-in Windows 7 system
- Weight: 10kg

Following PT tests can be done automatically

- Polarity
- Ratio
- Excitation
- Burden

More than 20 CT tests can be performed automatically in one time

- Burden
- Winding resistance
- Excitation
- Polarity
- Ratio
- Turn-Ratio
- Winding Ratio
- Ratio error and phase displacement
- The leakage inductances (Ls)
- Remanence factor (Kr)
- Secondary loop time constant (Ts)
- Accuracy limit factor (ALF)
- Instrument security factor (FS)
- Transient dimensioning factor (Ktd)
- Peak value of instantaneous error (ε^)
- Composite error
- Demagnetization

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Technical specifications

Output voltage range	0-120V
Output current range	0-5Arms (15A peak)
Output power	0.0001VA~500VA (1500VA peak)
Turn ratio range	1-30000
Ratio measurement	30000:1 or 45000:5
	accuracy: ±0.05% Typ. ±0.1% Gur.
Test Points selected	Automatic test of all points according to standard requirement
Phase measurement	accuracy: 1min Typ. 3min Gur.
	resolution:0.01min
Current measurement	range: 0-15 A (auto ranging)
	accuracy: ±0.05%Typ ±0.1% Gur.
Voltage measurement	range: 0-120V (auto ranging)
	accuracy: ±0.05%Typ ±0.1% Gur.
Polarity	Yes
Winding Polarity Test	Yes (Phase between ±45°)
EMC	EN 61326-1:2013 EC Council Directive 2014/30/EU
	ICES-001:2006 FCC Part 15: Subpart B:2015
Safety	IEC 61010-1/2-030:2010 Low Voltage Directive 2014/35/EU
	UL 61010-1/2-030:2012 CAN/CSA-C22.2 NO. 61010-1-12/2-030-12

Winding ratio accuracy	0.1% or 1 turn
Winding resistance measurement	range: 0.05~1000Ω
	accuracy: ±0.05%±1mΩ Typ. ±0.1%±1mΩ Gur.
	resolution: 1mOhm
Testable Burden Power	35VA@IA, 175VA @5A
Burden measurement	range:0.05-1000Ω
	accuracy: ±0.05%±1mΩ Typ. ±0.1%±1mΩ Gur.
	resolution: 1mOhm
Temperature Compensation	-20 ℃-120 ℃
Communication port	USB
Dimension (WxHxD)	470mmx200mmx245mm
Weight	10kg/14kg
Main supply	110-240Vac/50-60Hz (nominal)
	90-260Vac/45-65Hz (permissible)
	Max.2000VA, Standard AC socket 60320
Operation temperature	-10 ℃-50 ℃
Storage temperature	-25 ℃-70 ℃
Humidity	Relative 5% up to 95%, no-condensation

Subject to modification

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