

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, 1S2705
- 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
- Saturated inductance (Ls)
- Unsaturated inductance (Lu)
- Remanence flux (Kr)
- Secondary time constant (Ts)
- Accuracy limiting factor (ALF)
- Instrument security factor (FS)
- Transient dimensioning factor (Ktd)
- Peak instantaneous error ($\epsilon^{\wedge}$)
- Composite error
- Demagnetization

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: $\pm 0.05\%$ Typ $\pm 0.1\%$ Gur.
Voltage measurement	range: 0-120V (auto ranging) accuracy: $\pm 0.05\%$ Typ $\pm 0.1\%$ Gur.
Polarity	Yes
Winding Polarity Test	Yes (Phase between $\pm 45^{\circ}$)
EMC(E&I)	EN/IEC 61326-1
Safety	EN/IEC 61010-1/1-12/2-030 EN/IEC 60255-25/27 FCC Part 15:Sub B
Others	ECS-001:2006LVD EU

Winding ratio accuracy	0.1% or 1 turn
Winding resistance measurement	range: 0~1000 Ω accuracy: $\pm 0.05\% \pm 1m\Omega$ Typ. $\pm 0.1\% \pm 1m\Omega$ Gur. resolution: 1mOhm
Testable Burden Power	35VA@IA, 175VA @5A
Burden measurement	range:0.001- 1000 Ω accuracy: $\pm 0.05\% \pm 1m\Omega$ Typ. $\pm 0.1\% \pm 1m\Omega$ Gur. resolution: 1mOhm
Temperature Compensation	-20 $^{\circ}C$ -120 $^{\circ}C$
Communication port	USB
Dimension (WxHxD)	470mmx200mmx245mm
Weight	10kg
Main supply	110-240Vac/50-60Hz (nominal) 90-260Vac/45-65Hz (permissible) Max.2000VA, Standard AC socket 60320
Operation temperature	-10 $^{\circ}C$ -50 $^{\circ}C$
Storage temperature	-25 $^{\circ}C$ -70 $^{\circ}C$
Humidity	Relative 5% up to 95%, no-condensation



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