

PCT200Ai CT/PT Test System



Main Features

- Can test M/P/TP type, bushing and GIS type CT
- Ratio check up to 30 000 : 1 and 45 000 : 5
- Knee point check up to 40 000V
- Standards : IEC60044-1, IEC60044-6, ANSI/IEEE C57.13
- Results saved directly in Excel format
- Report can be transferred to flash disk via USB port
- Weight : 11kg

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
- 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 (ϵ^{\wedge})
- Composite error
- Demagnetization

Technical specifications

Output voltage range	0~120V
Output current range	0~5Arms (15A peak)
Output power	0.0001VA~500VA RMS (1500VA peak)
Ratio measurement	30000:1 or 45000:5 ±0.02% Typ. ±0.05% Gur.
Phase measurement	1min Typ. 2min Gur. 0.01min
Current measurement	range: 0~15 A (auto ranging) ±0.02% Typ. ±0.05% Gur.
Voltage measurement	range: 0~120V (auto ranging) accuracy: ±0.02% Typ. ±0.05% Gur.

Winding resistance measurement	range: 0.05~200Ω ±0.05%±1mΩ Typ. ±0.1%±1mΩ Gur.
Burden measurement	range: 0.05~200Ω ±0.05%±1mΩ Typ. ±0.1%±1mΩ Gur.
Communication port	USB
Dimension	470*200*245mm (WxHxL)
Weight	14kg
Main supply	110-240Vac/50-60Hz (normal) 90-260Vac/45-65Hz (permissible)
Operation temperature	-10~50° C



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