

Instrument Transformer Testing System

WHES Series



WHES Series Instrument Transformer Testing System is designed to measure various properties of electromagnetic current transformers and potential transformers (voltage transformers). The choice of actual components for the system can be custom-configured according to the types of tests and measurements needed, which can include ratio-error tests, phase-error tests, CT volt-ampere characteristic tests, PT (VT) no-load-loss tests, DC resistance tests, open-circuit voltage tests, etc.

Featuring coarse adjustments and fine adjustments of the system power supply, this testing system can also perform open-circuit and closed-circuit demagnetizations of current transformers. Each system is equipped with overcurrent and overvoltage protection measures.

The overall structure, including the tabletop and cabinet design, of the testing system can be made or modified according to customer requirements.

Specifications

Input Voltage	AC 220V \pm 10%, 50/60Hz
Rated Capacity	10 ~ 30kVA
Output Voltage	Coarse Adjustment & Fine Adjustment
CT Demagnetization Function	Open-Circuit & Closed-Circuit Demagnetization
Protection Functions	Overcurrent & Overvoltage Protection
Available Components to Include in Testing System	Digital Tester (Comparator) for Instrument Transformers, Burden for CT, Burden for PT (VT), etc.
Accuracy Class of the Reference CT & PT (VT)	0.05%, 0.02%, 0.01 %, or Other
Primary Current Range of the Reference CT	5 ~ 5000A, or Other
Primary Voltage Range of the Reference PT (VT)	6kV (6/ $\sqrt{3}$ kV) ~ 35kV (35/ $\sqrt{3}$ kV), or Other
Secondary Voltage Range of the Reference PT (VT)	100V (100/ $\sqrt{3}$ V), or Other
Frequency	50Hz or 60Hz

Note: Technical data listed above are default values. Customer specifications can be requested.