

Digital Tester (Comparator) for Instrument Transformers

WHES-1Cx



Digital Tester (Comparator) for Instrument Transformers is designed for the testing of ratio error and phase displacement of current transformers and potential transformers (voltage transformers). High in accuracy and wide in its measuring range, this calibrator is easy to use and provides a wide range of testing current and testing voltage to satisfy various CT and PT (VT) testing requirements.

Specifications

Model	WHES-1Cx
Error Measurement	Ratio Error & Phase Error
Rated Current	5A, 1A
Rated Voltage	100 ~ 230V
Multiplier	1/√3, 1/3, 1, 1.5, 2
Accuracy Class	±2%
Operation Range	1% - 200% In / 20% - 200% Un
Frequency	50Hz/60Hz
Ratio-Error Range	±0.0001% ~ ±19.99% (3 Ranges: 0.1999%, 1.999%, 19.99%) Minimum Resolution: 0.0001%.
Phase-Error Range	0.01' ~ ±900' (3 Ranges: 9.00', 90.0', 900') Minimum Resolution: 0.01'
Impedance Range	0.001Ω~ 19.99Ω (2 Ranges: 1.999Ω, 19.99Ω) Minimum Resolution: 0.001Ω
Admittance Range	0.001ms ~ 19.99ms. (2 Ranges: 1.999ms, 19.99ms) Minimum Resolution: 0.001 ms
Alarm Function	Sound & Light Alarms
Input Load (Load Impedance)	On Secondary of Reference CT: ≈0.11Ω, COSθ≈1.0 On Secondary of CT Under Test: ≈0.003Ω, COSθ≈1.0 On Secondary of Reference PT (VT): ≈0.05VA (when U = 100V)
Communication Interface	RS232 Serial Communication Interface
Display	LCD
Power Supply	AC 220V±10%, 50Hz/60Hz
Power Consumption	< 20VA

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