



GDZT-3A Transformer Short-circuit Impedance Tester



General Information

Low-voltage short-circuit impedance measurement is basic subject in routine test.

Comparing the short-circuit impedance value of transformers before and after short-current impact, to estimate winding distortion degree according to variable value. The changes of transformer impedance should not be over 2%.

LV short circuit impedance test is the most direct way to check winding distortion when the transformers are impacted by short circuit current or mechanic shocked by transportation and installation. It is useful to judge if the transformers can be put into operation.

Features

- With adjustable power output. No matter single phase or 3-phase transformers, the instrument could finish test for all windings by only one time cable connection.
- For 3-phase transformers, short-circuit impedance, inductance and reactance of each phase can be obtained automatically after boosting each phase.
- Using internal phase-locked loop technology, synchronous sampling AC signals, measurement data is accurate.
- Voltage, current, power, frequency can be measured.
- Finish load test of transformers. Load loss result at standard temperature will be obtained automatically.
- Wide current range. Support external CT, PT to expand the measurement range.
- Data will be stored for long time even power off. Built-in printer to print results.
- Testing data can be imported into PC for analysis or storage.
- Menu with operation tips, simple and intuitive.
- LCD screen, clear to see even in direct sunlight.

Specification

Testing accuracy	Voltage/current: 0.2%
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Power	COS ϕ >0.1, 0.5%; COS ϕ ≤0.1, 1.0% Impedance COS ϕ >0.1, 0.5%; COS ϕ ≤0.1, 1.0%
Voltage range	AC 3V-300V
Internal power output range	Voltage 0-250V, Current 0-10A
Current range	AC 0.2A-20A
Working temperature	-10°C~50°C
Working humidity	0-80%
Power supply	AC220V±10%, 50Hz±1Hz
Dimensions	360mm×220mm×150mm
Weight	5kg