

TrafoTest Compact

Fully Automatic Transformer Test System



Measurements (Standard):	Load Loss Test
	No Load Loss Test
	Zero Sequence Impedance
	Induced Overvoltage
	Heat Run (Temperature Rise Test)
Measurements (Optionally):	Capacitance and Tan Delta
	Winding Resistance
	Insulation Resistance
	Transformer Turns Ratio
	Seperate Source AC Withstand Test
	Others (customer specific)



Measurement Accuracy:

Voltage Path:

+/- 0,05% between 5 and 39% of rated of VT

+/- 0,02% between 40 and 120% of rated of VT

Current Path:

+/- 0,01% between 1 and 200% of rated of CT

Phase Angle:

<0,4min at 50 Hz

<0,5min at 50 Hz

Power Measurement:

0,02% at Power Factor 1 for 50 and 60 Hz

0,02% at Power Factor 0,5 for 50 and 60 Hz

0,09% at Power Factor 0,05 and 50 Hz

0,10% at Power Factor 0,05 and 60 Hz

0,44% at Power Factor 0,01 and 50 Hz

0,53% at Power Factor 0,01 and 60 Hz

1,46% at Power Factor 0,005 and 50 Hz

1,74% at Power Factor 0,005 and 60 Hz

Temperature Measurement:

+/-0,5°C between 0 and 100°C with PT100 probes

+/-1,0°C between 0 and 100°C with PT100 probes

Tan Delta Accuracy:

1×10^{-4} (higher accuracy on request)

Capacitance:

+/- 0,1%

Max. No. of Integrations:

Max. 4 integrated devices

Possible range:

Standard Voltage Transformers from 1kV to 550kV in various models

Standard Current Transformers from 50A to 6000A in various models

Normative:

IEC and IEEE (others on request)

Applications:

Fast and economic routine testing

Mainly distribution transformers and small power transformers

Use in shunt reactor test systems

Unse in TrafoTest Mobile System

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