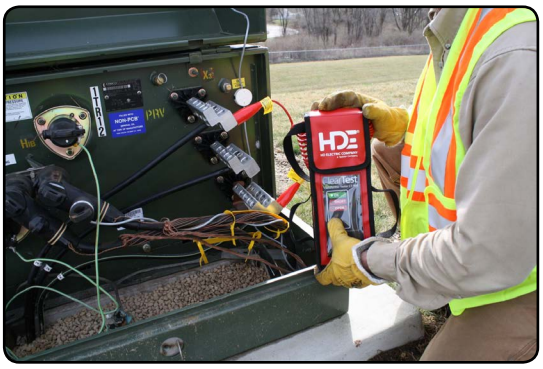
Transformer Tester

HD ELECTRIC COMPANY



Transformer Tester

Part No: CT-300

The ClearTest™ Transformer Tester provides quick and easy tests of de-energized power distribution system transformers. It is a handheld device with a single push-button that provides a clear indication of open circuits, short circuits, including shorted turns or shorted windings and confirmation that the test results are OK.

The ClearTest is a completely new design that briefly energizes the transformer and takes a snapshot of the transformer condition by measuring the voltage, current and power factor of the test signal.

The ClearTest finds transformer defects that include:

- A single shorted turn in the primary or secondary side of a transformer
- Open coils or blown internal fuses or breakers
- Partial shorts including shorted turns, shorted turn layers, coil to core shorts and primary to secondary shorts
- Bad transformer ratios resulting from shorted turns

ClearTest looks both inside and outside the transformer - testing the coil, core and winding as well as between the transformer and whatever it is connected to.

- Finds internal transformer defects before energising
- One tester for all transformer types
- Test the primary and secondary sides of de-energised transformers without disconnecting
- Tests all connections from transformer to meter
- Improve SAIDI statistics by quickly testing and getting the transformer back in service
- Prevents line workers from installing a fuse on a shorted transformer
- Quickly verifies the secondary connections are not shorted
- Compact, lightweight and easy-to-use
- Powered by two 9V field replaceable lithium or alkaline batteries
- Audible alarm confirms successful test
- Built-in self test
- A magnet is included to hold the ClearTest in place while testing

Specifications

SHORT: Power factor ≤ 0.6
OPEN: Test current ≤ 80 microamps and power factor ≤ 0.03
OK: Power factor > 0.6

The Energy Network (Australia) Pty Ltd
ABN 72 093 052 441
www.tengroup.com.au
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QLD/NT
65 Wentworth Place
BANYO 4014
P | F +61 7 3212 8999 | 8998
M 0400 968 238
WORKSHOP

VIC/TAS/SA
24 Deans Court
DANDENONG STH 3175
P | F +61 3 9793 1622 | 1644
M 0408 228 473 | 0499 988 240
WORKSHOP

WA
4/15 Baile Rd
CANNING VALE 6155
P +61 8 9455 5574
M 0400 029 026
WORKSHOP

NSW/ACT
M 0407 009 316

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