TESTRANSFO2 operation

This instrument must not be used on a powered-up transformer. Power-down the transformer according to the prescribed proceedures

Principle:

- Test of the state of the protections
- Test for most causes of fault by injection of a very low voltage, applying series of 19 measurements including the transformer ratio on all 3 phases.



Use:

Once the transformer is isolated from the network, connect all the leads to the terminals and the earth. Press the button , TESTRANSFO2 initialises. Press the button again , TESTRANSFO2 runs the 19 measurements automatically.



3 ranges of measurements are possible, so as to maintain the measurement precision of the transformation ratios:

- The correct choice of range is essential for a good final result.

- Ranges: 20KV-33KV (default) / 10KV-19KV / 5KV-9KV

The first 13 tests check for the presence / absence of continuity. The 6 following tests check the transformation ratios of the three phases

The TESTRANFO2 gives the result "OK" or "ERROR". A transformer is considered healthy if

19 tests were all

successfully passed.



Eli XE

The black button enables : either changing the range.

or recording the measurements, so as to transfer them to a PC. (capacity 10 measurements)



button is Used to turn-off the instrument.

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The Red



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button is

Used



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Running the tests:

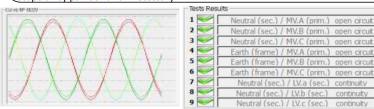
Important Reminder: all the MV & LV connections of the transformer must be disconnected during the test.

The TestTransfo2 automatically runs

- A series of tests for each of the 13 completed circuits listed below,
- A record of the transformation ratio obtained by signal analysis from the results 14 to 19, whilst verifying the conformity with the expected result for each case.

The nature of the faults revealed is shown after the test by scrolling through the results using the green button Note:

- TestTransfo2 does not check the insulation.
- Always ensure that the crocodile clips are making good contact:
- Scape away paint or dirt if necessary.



Earth (frame) / LV.a (sec.) open circuit
Earth (frame) / LV.b (sec.) open circuit
Earth (frame) / LV.c (sec.) open circuit
Earth (frame) / Neutral (sec.) open circuit
MV.A (prim.) wave coherency
MV.B (prim.) wave coherency
MV.C (prim.) wave coherency
LV.a (sec.) wave coherency ratio=47.61

Standard: CE NF EN 50082-1: CEM

NF EN 61010-1: Electric safety. Protection class: IP 32 - IK 07

Power supply	9 volts battery , type LR61
Dimensions	440 x 280 x 320 mm
Composition	Plastic case
Weight	0.3 Kg
Display:	LCD screen 4 lines + led

12

- 14

17

FS_TESTRANSFO2_V_1_00_US

This instrument must not be used on a powered-up transformer. Power-down the transformer according to the prescribed proceedures.

Neutral (sec.) / LV.c (sec.) continuity

Running the tests:

Important Reminder: all the MV & LV connections of the transformer must be disconnected during the test.

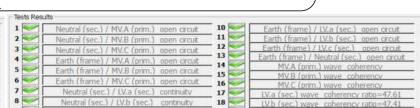
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