

SURGETEK

THREE-PHASE TRANSFORMER TURNS RATIO TEST SETS

Megger's TTR300 Series of three-phase transformer turns ratio test sets are designed to measure the turns ratio of power, instrument, and distribution transformers in a substation or manufacturing environment. The Megger TTR 300 model is ideal for use by power transformer manufacturers. The unique testing procedures and storage capability allow an operator to set up and test difficult three-phase transformers in a fraction of the time than it used to take with other TTRs.

The TTR300 Series also measure the phase deviation of the transformer primary versus secondary. This quickly indicates problems such as shorted turns and core faults. This is also useful in verifying phase errors in all types of PTs and CTs. Each unit comes equipped with a remote-control switch for single person testing. This allows the operator to test transformers with LTCs very quickly.

The Series consists of four instruments. The TTR300 is designed to be completely remote controlled via a PC running PowerDB LITE (included) or PowerDB (full version) PC software applications. The TTR300 is field upgradeable to the TTR310, TTR320 or TTR330.

The TTR310 has the ability to store test results, upload results to a PC (via RS232 serial port), and/or print them in the field via an optional thermal paper printer, without the use of an external computer. The TTR310 is a direct replacement for the three-phase TTR, C/N 550503.

The TTR320 features a high contrast bright 142,5 mm full VGA colour display and employs a full QWERTY keyboard. Communications ports are provided in the form of RS-232, USB and Ethernet ports. Pre-configured test reports (via the on-board Power DB lite) can be automatically populated as the testing is performed.

The TTR330 offers a new user interface which allows the operator to interact with the PowerDB ONBOARD software system via full QWERTY and navigation keypads as displayed on a 210 mm VGA bright-colour screen. An advanced feature of the TTR330 allows the user to customize test forms via optional full-version PowerDB.