



TTR310 — text-based LCD interface unit

TTR310

This unit features an easy-to-read, high-contrast LCD which can be seen in bright sunlight and provides the user interface for instrument set-up and test operation. The unit comes complete with the software application, PowerDB LITE.

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 optional thermal paper printer, without the use of an external computer.

Some of the features of the TTR310 consist of:

- Fully automatic operation (either stand-alone or remote-control)
- Field upgradeable to a TTR330 or TTR320 without compromise to calibration
- Built-in RS-232 port and optional thermal spool-paper printer allows for printing of test results, while in the field, and without the use of an external computer
- Built-in capability for storing test results into internal memory in an open data format for direct input into Excel® or XML format via PowerDB LITE

TTR320

The TTR320 features a high contrast bright 5.7" full VGA color display can be seen in direct sunlight. The instrument employs a full QWERTY keyboard for entering nameplate-type information. Communications ports are provided in the form of RS-232, USB and Ethernet ports for easy on-board printing, storage, and downloading of test results.



TTR320 — graphical ICON based user interface unit

Also, with a simple interface to PowerDB LITE PC software application (included), the user can perform data analysis and trending of results.

The TTR320 includes the following features:

- Fully automatic operation (stand-alone or remote-control)
- Field upgradeable to a model TTR330 without compromise to calibration
- Graphical User Interface allows for automated setup and control through easy-to-read ICON based screens
- Built-in capability for storing test results, in an open XML format, to either internal memory or to an external USB storage device
- Built-in RS-232 port and optional thermal spool-paper printer allows for printing of test results, while in the field, and without the use of an external computer
- 5.7" VGA bright color display



TTR330 shown testing a pad mount three-phase transformer

TTR330

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 an 8.4" VGA bright-color screen. One of the primary benefits of this interface is that it displays the actual test form on the screen. An advanced feature of the TTR330 allows the user to customize these test forms via optional full-version PowerDB.

Other primary features of the TTR330 include three communications ports (two USB, one Ethernet). The USB "host" ports can be used for connecting directly to an optional printer (to print full size 8.5" x 11" completed test forms) and for data storage to a USB memory device (for later printing, analysis, archiving, and/or trending). The Ethernet port allows the TTR330 to interface (on a bi-directional basis) directly to a PC.