

Transformer Testing

More options
to save time



Ask for more.

Individual customer requirements demand flexible testing solutions

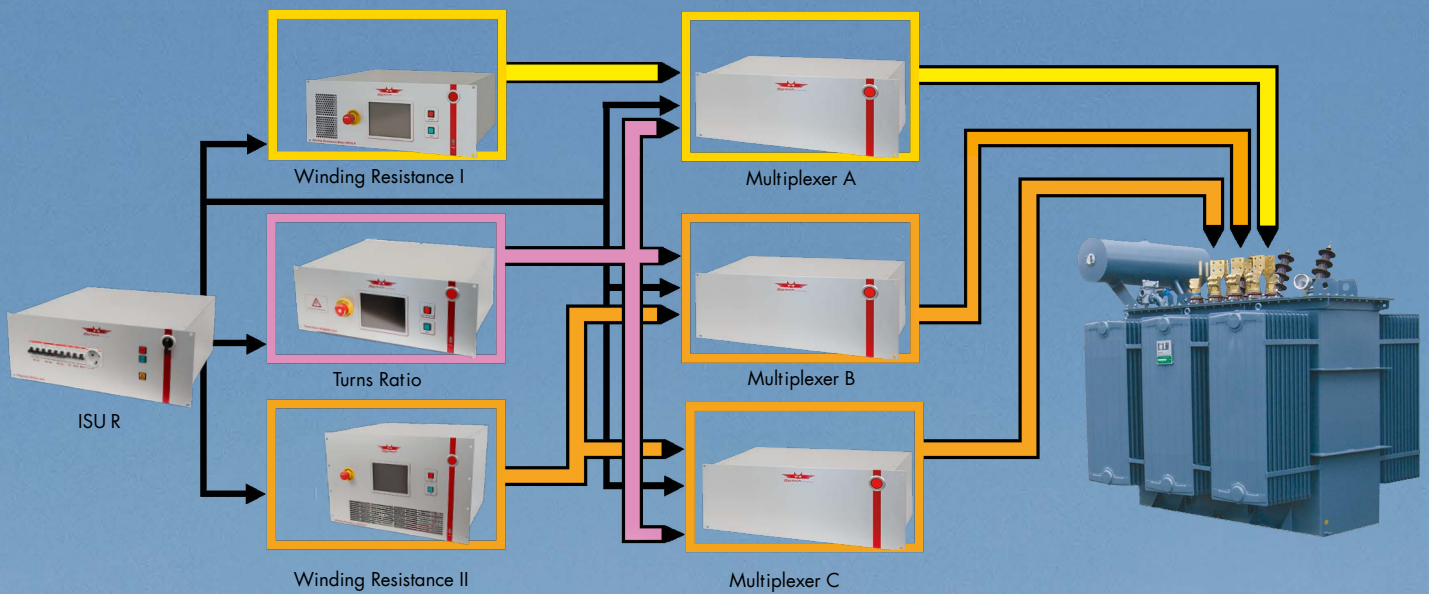
Raytech – The World leader in design and manufacturing of high quality precision measuring instruments and systems. Offering flexibility and versatility, our modular Automatic Transformer Observation System (ATOS) allow you to create a unique and custom solution for any application. ATOS is designed to drastically reduce measuring time and increase test performance, without losing accuracy compared to individual test instruments. With the choice of up to three Multiplexers (primary, secondary, and tertiary), three Winding Resistance Meters, each with three maximum current range options (up to 15A, 50A, or 100A), Turns Ratio, and Integrated power security and safety panel (ISU R), Raytech can create a system with your needs and budget in mind.

Raytech Automatic Transformer Observation System (ATOS)

Raytech ATOS is designed to drastically reduce measuring time and increase test performance. A modular design based on Raytech instruments offers the possibility to create a custom solution for any application. The entire system can be easily controlled from a Winding Resistance Meter touchscreen instrument panel or by remote computer.

Raytech ISU R Integrated Safety Unit for ATOS

With the Raytech ISU R, you get a “smart” optimized power, interlock and warning lamp signal distribution system in a 4U 19” rack with additional fused power circuits for each connected device. The ISU R completes the ATOS system integration.



One of many possible ATOS configurations

Whatever the application, there are many possibilities for integration. In this example the yellow outline shows the connection of the primary and the orange outline shows the connection of secondary and tertiary windings.

Advantages and Features

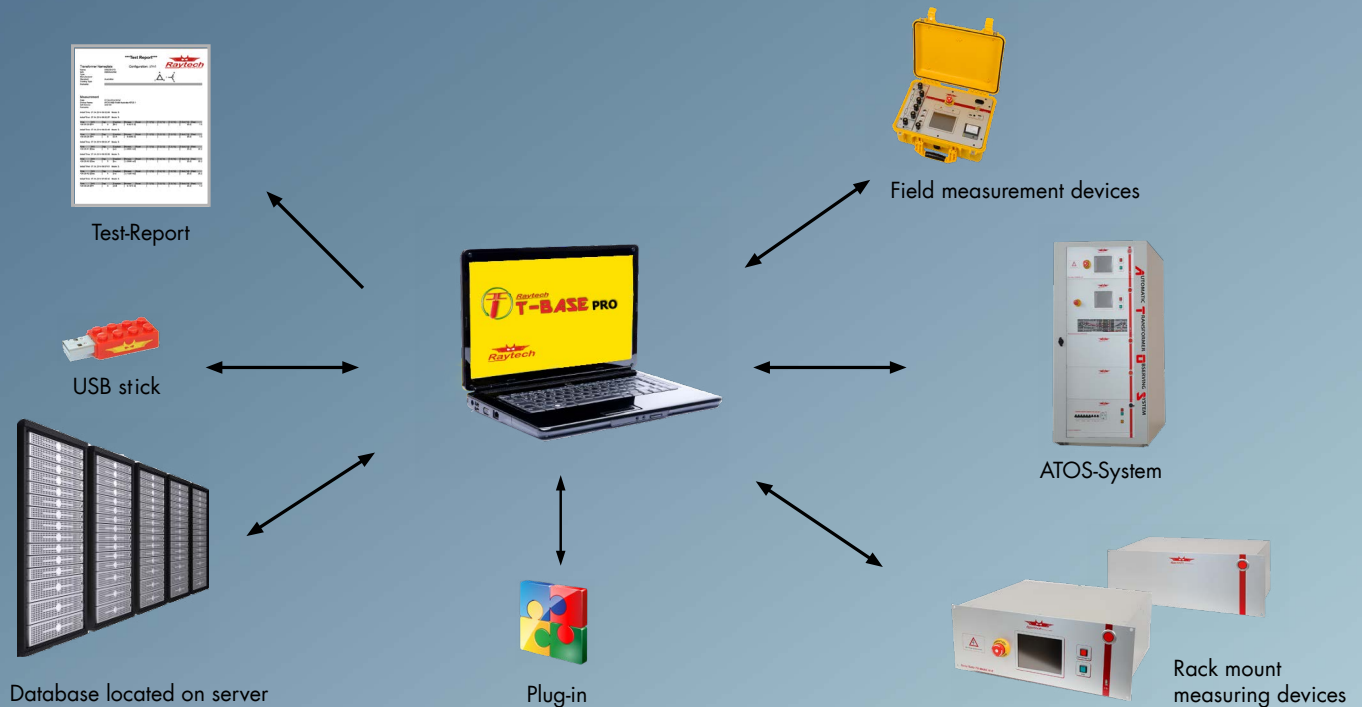
- Minimizes cabling time.
- Does all measurements (Winding Resistance and Ratio) with one set of transformer connections.
- Uses up to three Multiplexers and measures transformers with three winding systems with one cabling sequence.
- No Precision loss compared to single use of devices.
- Get your own configuration containing from one to three Multiplexers, from one to three Winding Resistance Meters and one Turns Ratio Meter.
- Control your Tap Changer with a powerful tap changer interface.
- Operate all instruments on a touch screen or by remote control.
- Integrated Safety Unit providing fused electrical power, central interlock system and central warning lamp interface.

Advantages and Features

- One main power switch for entire ATOS
- Handles external interlock signal
- Connect one warning lamp for all devices
- Regulated and fused AC power distribution
- Additional fused power plug on front panel
- Indications for interlock circuit and warning lamp state
- Open system (not limited to Raytech devices)



T-Base for remote control, data exchange and analysis



The T-Base software package is a powerful tool for remote control, data exchange, result analysis and sequence for a completely automated test. It runs on every Windows based PC. A modern graphical user interface makes it easy and comfortable to operate. Any additional features can easily be created with a custom Plug-In.

Measurement made easy

Raytech Transformer Observation System (ATOS)

Raytech ATOS is designed to drastically reduce measuring time and increase test performance. The modular design offers a custom solution for any application. Additional information is available upon request.

Raytech Multiplexer for Transformer Testing

Raytech MUX R is designed to drastically reduce cabling time and increase test performance. Additional information is available upon request.

Raytech ISU R Integrated Safety Unit for ATOS

Raytech ISU R is a "smart" optimized power, interlock, and warning lamp signal distribution unit in a 19" rack mounted device, with incorporated fuses for each connected device. The ISU R completes the ATOS for a clean simple interface to building facilities. Additional information is available upon request.

