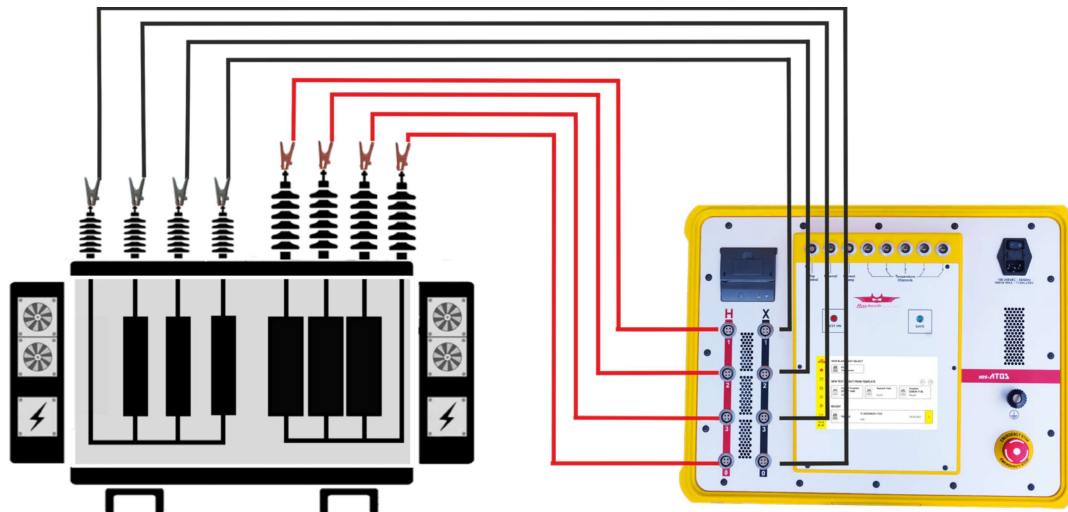NEW

mini-ATOS
Transformer Analyzer
Quick, Easy and
Precise

The precision instrument, mini-ATOS, is a professional multifunctional power transformer and substation diagnostic system. This compact and intelligent instrument can perform many routine and advanced tests such as Winding Resistance (**WR**), Dynamic Resistance Measurement (**DRM**), Turns Ratio (**TR**), Frequency Response of Stray Losses (**FRSL**), Magnetic Balance, and other diagnostic parameters. With the built-in fully automatic multiplexer, only a one-time connection is required for nearly all functions which saves a considerable amount of time. The portable, rugged case is perfect for use anywhere onsite or in a laboratory. It is specially designed for fast and easy measurements with the well-known high precision and quality of all Raytech instruments.

Measurement Parameters

Resistance Measurement

Test Currents	Up to 30A and 7.5A *Simultaneously & User Adjustable*
Charging Voltage	Up to 100V
Resistance Range	Up to 100kΩ
Accuracy	Up to 0.1% ± 0.1µΩ

Turns Ratio Measurement

Test Voltage	Up to 250VAC *User Adjustable*
Turns Ratio Range	0.8 to 50000
Accuracy	Up to 0.04%

Features

- Winding Resistance
- Turns Ratio
- Demagnetization
- Automatic Multiplexer
- 5 Built-in Temperature Channels
- Auto Vector Detection
- Magnetic Balance
- Excitation Current
- Internal Printer

Optional Features

- DRM (Dynamic Resistance Measurement)
- FRSL (Frequency Response of Stray Losses)
- SCimp (Short Circuit Impedance)
- AHRT (Automatic Heat Run Test)
- OLTC Motor Current Measurement

Accessories (included)

- Cable Bags
- Kelvin Measuring Cables 8 x 10m
- Safety GND Cable 1 x 10m
- Power Cord
- 2 Paper Rolls
- 2 Fuses
- USB Memory Stick
- Instruction Manual

Optional Accessories

- External Temperature Probe
- Hand Switch for Tap Changer Test
- Warning Lamp
- Cable Adapter Hand Switch & Warning Lamp
- Tap Control Cable & Connection Set
- Current Clamp (for OLTC Motor)

Specifications

Model
mini-ATOS

Size
L: 525 mm (20.7")
W: 437 mm (17.2")
H: 213 mm (8.4")

Weight
16.5 kg (36.4 lbs.)

Input Power
110 / 240VAC
50 / 60Hz

Interface
2x USB-A 1x USB-B
1x Ethernet

Panel Display
7 Inch Color LCD Touch Display

Storage Range
-20°C ... +70°C

Operation Range
-10°C ... +55°C

Safety & EMC Approved
CE
Safety IEC 61010-1
EMC IEC 61326-1