

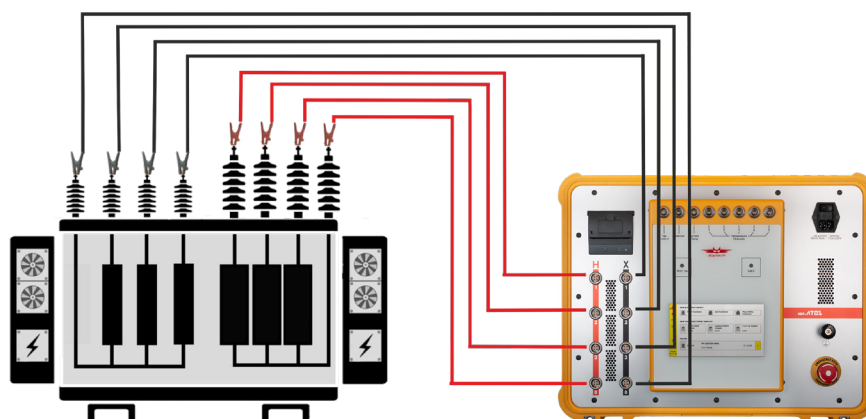
mini-ATOS

**Transformer Analyzer
Quick - Easy - Precise**



Short Overview

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-C

1x Ethernet

Panel Display

7 Inch Color LCD Touch Display

Storage Range

-20°C ... +70°C

Operation Range

-10°C ... +55°C



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