

mini-ATOS

This precision instrument is a professional multifunctional power transformer and substation diagnostic system. It is a compact and intelligent instrument that 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 and rugged case is perfect for use anywhere on-site or in a laboratory. It is specially designed for fast and easy measurement with the well-known high precision and quality of all Raytech instruments.

Features

- Winding Resistance
- Turns Ratio
- Demagnetization
- Automatic multiplexer
- 5 built-in temperature channels
- Internal printer

Optional Features

- DRM – Dynamic Resistance Measurement
- FRSL – Frequency Response of Stray Losses
- Short circuit impedance
- Magnetic balance
- OLTC motor current measurement
- Excitation current
- Auto vector detection
- Heat-Run



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Measurement Parameters

Resistance Measurement	Test current	Charging voltage	Resistance range	Accuracy
	30A and 7.5A <i>simultaneously</i>	100V	0 ... 100kΩ	up to 0.1% ± 0.1μΩ
Turns Ratio Measurement	Powersupply	Turns Ratio range	Accuracy	
	up to 250VAC	1 ... 20 000	up to 0.05%	

Specs

Model: mini-ATOS	Interface: 2 x USB-A 1 x USB-B
Size: L: 524 mm (20.6") W: 428 mm (16.8") H: 206 mm (8.1")	Display: Color LCD with backlighting and touch screen
Weight: 15 kgs. (33 lbs)	Operating temperature: -10°C to +60°C (14°F to 158°F)
Input Power: 85 - 264VAC 47...63Hz, auto-ranging	Storage temperature: 20°C to +70°C (-4°F to 158°F)

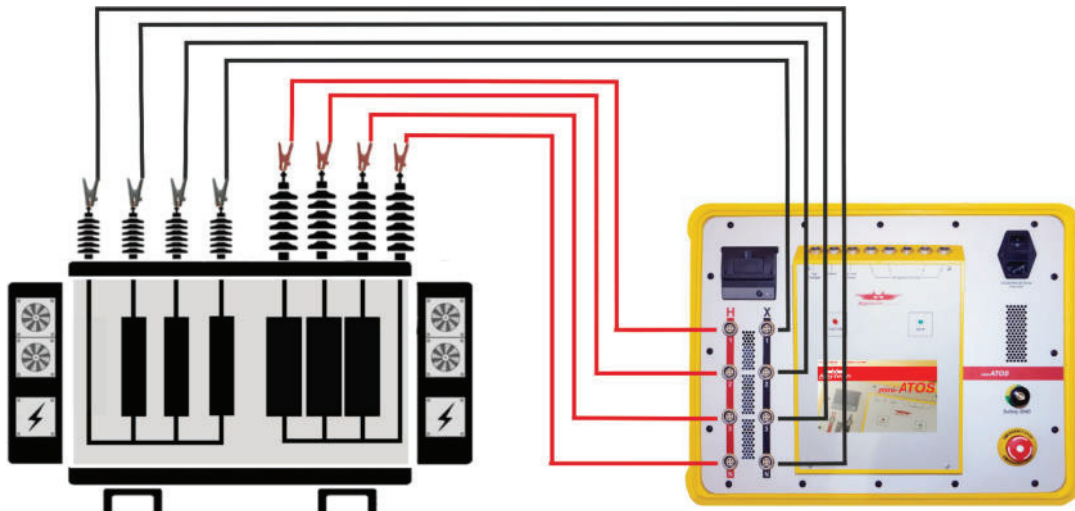
Standard Accessories Included

Cable bag	Fuses
Test leads	Stylus
Ground cable	USB memory stick
Power cord	Instruction manual
Thermal paper rolls	

Optional Items Available

External temperature probe	Current clamp
Safety-switch	Short circuit clamps
Tap control	

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Raytech is a world leader in the design and production of precision electronic measuring instruments and systems. The unique design approach of the engineering team at Raytech has resulted in the development of highly regarded measuring instruments, which have set new standards in the electrical testing industry.

Our exceptional reputation for support and service is unmatched.

Raytech products are designed for many years of trouble-free use, which is why we can offer a **standard 5-year warranty** – guaranteeing the highest quality instrumentation available.



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