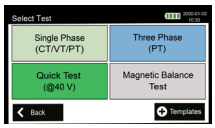
TURA-01 SERIES 100V TURNS RATIO TESTER







TURA-01 is designed to accurately measure the turns ratio of single-phase and three-phase transformers.

TURA-01 performs fast and accurate turns ratio measurements on current, voltage and power transformers using its user-friendly interface.

With market-leading accuracy, the TURA-01 has a very wide ratio measurement capability with an accuracy of 0.08 %. Other features available on TURA-01 include the measurement of core excitation current, phase angle, polarity, and ratio error.

TURA-01 instrument has a single-phase cable configuration, although users may still perform three-phase transformer tests by connecting cables for each phase one by one.

The instrument also contains a helpful list of connection diagrams for the various transformer configurations. The operator simply selects the one they need to display. Therefore, there is no need for an additional manual or diagrams to understand the cable connections for each vector group. Selecting the right vector group is enough and device shows how to connect the cables to the transformer.

The TURA-01 instrument has a wide operating range for use on equipment such as high excitation current transformers to high power potential transformers in substations. The instrument can generate 1V, 4V, 10V, 40 V and 100 V AC test voltages.

The 4.3-inch colour touch screen is large enough to display all parameters requiring entry. It is also large enough to display all measurement results on a single screen.

USB, Bluetooth (Option), and Flash Memory feature allow TURA-01 to control, record and store up to 100 test records.

With the HighTest Data Management Platform or a.k.a. (DMP Software), users may control the TURA-01 instrument and analyse the measured results on a PC.

If an immediate hard copy of the results is required the TURA-01 also allows for this via an embedded 2.25-inch printer.

Multi-language capability and user-friendly operation menu make it easy to control TURA-01, even by less experienced staff. TURA-01 is a light, compact and rugged device with an IP protection class of IP67 (case lid closed).



DEVICE HIGHLIGHTS

Single-phase & three-phase ratio measurement

With TURA-01's single-phase cable configuration, users can measure turns ratio of single-phase transformers as well as three-phase transformers.

Built-in Rechargeable Li-Ion Smart Battery

TURA-01 comes with a 14.4V Li-Ion smart battery which enables you to make tests while on field. TURA-01 works on both main power and consuming battery power.

4.3 -inch TFT Colour Touch Screen

TURA-01 is built-in with a 4.3-inch TFT Colour Touch Screen which is visible under both bright sunlight and dim lit environment.

2.25-inch Built-in Thermal printer

TURA-01's built-in thermal printer lets you print the results immediately during field tests.

FEATURES

- Turns Ratio Measurement
  (Single-phase and three-phase measurement)
- Ranges from 0.8 to 33,000 Ratio Measurement
- High Accuracy (0.08 %)
- 1V, 4V, 10V, 40 V and 100 V AC Test Voltages
- Ratio Error Measurement
- Excitation current, phase angle, polarity measurement
- Built-in Battery & Printer
- Internal memory, USB Flash Drive
- PC control via USB cable
- Optional Bluetooth control and communication
- 4.3-inch colour touch display



TECHNICAL SPECIFICATIONS

Measurement Parameters	Turns Ratio Measurement, Excitation Current, Phase Angle, Polarity, Ratio Error (%)		
Ratio Measurement Modes	CT Mode, PT Mode, Power Transformer (Single-Phase and Three-Phase)		
Test Voltages	CT Mode: 1 V and 4 V ; PT Mode: 1, 4, 10, 40 & 100 V		
Ratio Range	0.8 – 33,000		
Accuracy	Mode	Ratio	Accuracy
	CT Mode (1V -4 V)	0.8-399 400-4000	0.08 % 0.1 %
	PT Mode(10 V- 100 V)	0.8-5000 5001-12000 12001-33000	0.08 % 0.15 % 0.5 %
Phase Angle Measurement	0-360 degrees, ±0.2 degrees (±1 digit)		
Excitation Current	2 A, 2 % of reading (±1 mA)		
Power Supply	100-240V AC, 47/63 Hz		
Built-in Battery	Yes, 14.4 V 3.4 Ah		
Memory	Up to 100 records (includes up to 25 tap results)		
Printer	2.25-inch built-in printer		
Communication	USB 2.0/1.1 Standard-A, USB 2.0/1.1 Standard-B, Bluetooth (Model: TURA-01 BLUE)		
PC Software	DMP Software		
Display	4.3-inch colour touch display		
Dimensions	12.5" x 10.1" x 6.0" (318 mm x 257 mm x 152 mm)		
Weight	3.8 kg		
Temperature	Working: -10 °C to +60 °C ; Storage: -30 °C to +70 °C		
Humidity	95% RH Non-condensing		
Protection Class	IP67 (case lid closed)		
Included in the package	5m Measurement Cable Set for TURA-01, 1.8m Power Cord (UK/EU/US), 2.5m Standard Ground Cable, 1.5m USB Cable, USB Flash drive (DMP, Manual, Brochure), 2x Thermal Printer Paper, Soft Carry Bag for TURA-01 & standard accessories		
Options	Hard Carry Case, Bluetooth (factory install option), 10m Extension Cable		

*Specifications are valid at/under 25 °C temperature. *Content subject to change without notice.*

ORDERING INFORMATION

TURA-01 — 100V Transformer Turns Ratio Tester with Built-in Printer & Battery

TURA-01 BLUE — 100V Transformer Turns Ratio Tester with Built-in Printer, Battery & Bluetooth