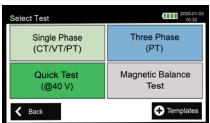


TURA-01 SERIES 100V TURNS RATIO TESTER



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 measure 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 phases 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 be displayed. Therefore, there is no need for an additional manual or diagrams to understand the cable connections for each vector groups. 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 trained staff.

TURA-01 is a light, compact and rugged device with an IP protection class of IP67, (case 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 let you print the results immediately during field test.			



- 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 3.45 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 closed)		
Included in the package	Power Cable, Ground Cable, 5 m Test Cable Set, USB Cable, Printer Paper (x2), USB flash drive, Instruction Manual (Soft Copy), DMP Software, Soft Carrying Case		
Options	Hard Carry Case, Bluetooth (factory install option)		

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