



TURA-01 Single-Phase Transformer Turns Ratio Tester with Built-in Battery & Printer

TURA-01 is designed using advanced engineering technology to measure the turns ratio of single-phase and three-phase transformers.

TURA-01 has easy, fast and accurate turns ratio measurement features for current, voltage and power transformers using its user-friendly software.

TURA-01 is one of the most accurate devices with its wide range (0.8 to 33,000) ratio measurement capability and high precision (0.08 %).

Besides the ratio measurement, TURA-01 can also measure excitation current, phase angle, polarity, and ratio error.

Even though TURA-01 has a single-phase cable configuration, users can make three-phase transformer tests as well.

TURA-01 can show all kinds of connection diagrams on its display which can change depending on transformer configuration. The operator doesn't need to search for any connection diagram.

TURA-01 has a wide operation range from high excitation current transformers to high powered power transformers at substations with the 1V, 4V, 10V, 40 V and 100 V AC test voltage generation capability.

A 4.3-inch TFT touch display allows TURA-01 to show all measurement results on a single screen.

USB, Bluetooth (Option) and Flash Memory features allow TURA-01 to control, record and store measurement results (up to 100 Test Records).

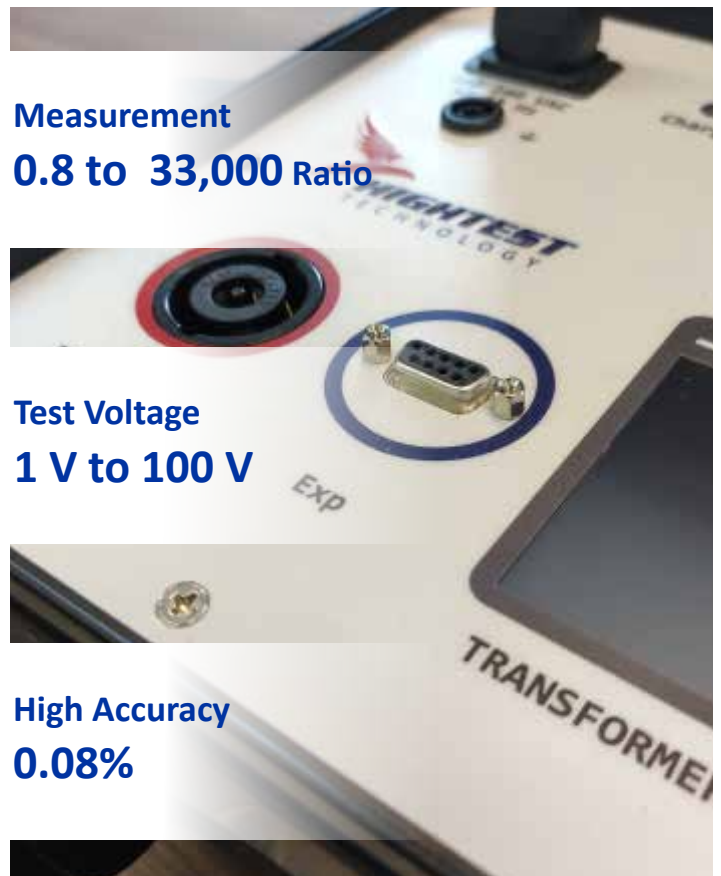
With the HighTest Data Management Platform (DMP Software), users can control TURA-01 and analyse measurement results on PC.

Operators can easily print the measurement results with the 2.25-inch built-in Printer of TURA-01.

Multi-language capability and user-friendly operation menu make it easy to control TURA-01, even by less trained staffs.

By using the optional TPA-03 Three-Phase Adapter, users can make three-phase connections and can test all phases simultaneously.

TURA-01 is a light, compact and rugged device with the protection class IP67 (case closed).



Measurement
0.8 to 33,000 Ratio

Test Voltage
1 V to 100 V

High Accuracy
0.08%



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
- Magnetic Balance (Required optional TPA-03)
- Built-in Battery & Printer
- Internal memory, USB Flash Drive
- PC control via USB cable
- Optional Bluetooth control and communication
- 4.3-inch TFT touch display
- Expansion feature with optional accessory TPA-03 (Three-Phase Adapter)

Technical Specifications

Measurement Parameters	Turns Ratio Measurement, Excitation Current, Phase Angle, Polarity, Ratio Error (%), Magnetic Balance (Required TPA-03)		
Ratio Measurement Modes	CT Mode, PT Mode (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	0.08 %
		400-4000	0.1 %
	PT Mode(10 V- 100 V)	0.8-5000	0.08 %
5001-12000		0.15 %	
	12001-33000	0.5 %	
Phase Angle Measurement	0-360 Degree, ± 0.2 degree (± 1 digit)		
Excitation Current	2 A, 2 % of reading (± 1 mA)		
Power Supply	100-240 V, 47/63 Hz		
Built-in Battery	Yes, 14.4 V 3.45 Ah		
Memory	Up to 100 records (include 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 TFT 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)		
Set of Package	TURA-01, 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 Carrying Case, TPA-03 Three-Phase Adapter, Bluetooth (factory install option)		

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

Ordering Information

TURA-01



Single-Phase Transformer Turns Ratio Tester with Built-in Battery & Printer

TURA-01 BLUE



Single-Phase Transformer Turns Ratio Tester with Built-in Battery, Bluetooth & Printer