



TRANSFORMER TURNS RATIO TESTER TURA-01 BLUE



Measures the Ratio
of Transformers

Up to
33,000
Ratio

1 V to
100 V
Test Voltage

Large
Colour Touch
Display

High
Accuracy
0.08%

Built-in
Printer &
Bluetooth





Measurement
0.8 to
33,000 Ratio
Test Voltage
1V to 100V
High Accuracy
0.08%

TURA-01 BLUE

Transformer Turns Ratio Tester with Built-in Bluetooth & Printer

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

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

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

Even though TURA-01 BLUE has a single-phase cable configuration, users can make three-phase transformer tests. TURA-01 BLUE can show all kinds of connection diagrams on display which can change depends on the transformer configuration. The operator doesn't need to search for any connection diagram.

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

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

USB, Built-in Bluetooth, and Flash Memory features allow TURA-01 BLUE to control, record and store measurement results (up to 100 Test Record).

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

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

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

By using the optional TPA-03 Three Phase Adapter, user can make 3-phase connection and can test all phases simultaneously.

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





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 voltage
- Ratio error measurement
- Excitation current, phase angle, polarity measurement
- Built-in printer
- Internal memory, USB Flash Drive
- PC control via USB cable
- Built-in Bluetooth control and communication
- 4.3-inch large colour touch display
- Optional expansion feature with
Three-Phase Adapter (TPA-03)

Technical Specifications

Measurement Parameters	Turns Ratio Measurement, Excitation Current, Phase Angle, Polarity, Ratio Error (%), Magnetic Balance (Required optional 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		
Excitation Current	2 A		
Power Supply	100-240 V 47/63 Hz 14.4 V 3.6 Ah built-in battery		
Memory	Up to 100 records (include up to 25 tap results)		
Printer	2.25-inch printer		
Communication	USB 2.0/1.1 Standard-A, USB 2.0/1.1 Standard-B, Built-in Bluetooth		
PC Software	DMP Software		
Display	4.3-inch colour touch panel		
Dimensions	12.5" x 10.1" x 6.0" (318 mm x 257 mm x 152 mm)		
Weight	3.8 kg		
Working Temperature	-10 °C to + 60 °C		
Protection Class	IP67 (case closed)		
Cables	15 feet (4.5 m) cable set		
Set of Package	TURA-01 BLUE, Power Cable, Ground Cable , 15 feet 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		

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

HighTest Technology Ltd. is a leading manufacturing company based in the UK which produces highly precise test equipment. We mainly focus on the development, manufacture, and marketing of Transformer test systems.

We have several years of experience in the field of developing and producing high-end test equipment. Customer satisfaction is our prime motto. We supply our test equipment worldwide to Transformer manufacturers, Electrical utilities, general contractors and service companies. Our test equipment is designed and produced according to the most widely adopted international standards. As we value our customers the most, our well-experienced team always provide excellent after-sales support and technical assistance.

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