HAEFELY HIPOTRONICS

TTR2795

Fully Automated Three Phase Transformer Turns Ratio Meter

■ The TTR 2795 measures transformer turns ratio to the greatest accuracy across the widest ranges of ratios in the industry. Measuring turns or voltage ratio can detect faulty transformer windings and defective tap changer positions. The excitation current and phase angle between the primary and secondary windings also provides additional information regarding the winding condition. The TTR 2795 is supplied with application software that guides the user through the measurements and generating test reports quickly and easily. The TTR 2795 is ideal for acceptance testing and on-site maintenance testing according to IEEE, IEC, and ANSI standards.





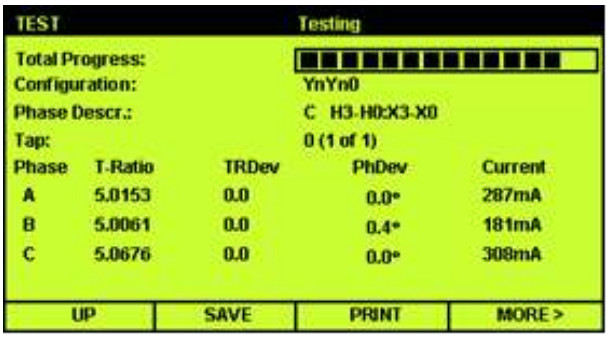
FEATURES AND BENEFITS

- ❒ Measures turns ratio, voltage ratio, phase displacement, and excitation current
- ❒ Selectable test voltages: 100V, 40V, 10V, and 1V
- ❒ Best accuracy in the industry at 0.03% for ratios 0.8-100
- ❒ Simplistic user interface for quick test setup
- ❒ Automatic winding connection identification and vector group detection for easy operation
- ❒ Color coded and labeled test leads for easy setup
- ❒ Remote control via laptop and application software
- ❒ Built-in printer for generating test reports
- ❒ Supplied in a compact and rugged case for portability

APPLICATIONS

- ■ Power Transformer
- ■ Distribution Transformer
- ■ Instrument Transformers

SOFTWARE INTERFACE



CE

TECHNICAL SPECIFICATIONS

Model Number	**TTR 2795**		
Dimensions (L x W x H)	16in x 12.2in x 7in (41cm x 31cm x 17cm)		
Weight	19 lbs (8.8 kg)		
Environmental			
Temperature	Operating: 14…122° F (-10 .. 50°C), Storage: -4…158° F (-20 .. 70°C)		
Humidity	5…95% non-condensing		
Input Power	95-264VAC, 45-65Hz, 1.3A		
Outputs			
Excitation Voltage	1V, 10V, 40V, or 100V		
Excitation Current	1A maximum (10mA at 1V)		
Measurements	Accuracy(1)		
Ratio	100V	40V	10V
0.8…100	± 0.03%	± 0.05%	±0.05%
01…1000	± 0.05%	± 0.05%	±0.05%
1001…1500	± 0.05%	± 0.05%	±0.10%
1501…2000	± 0.05%	± 0.05%	±0.15%
2001…4000	± 0.05%	± 0.10%	n/a
4001…13000	± 0.15%	n/a	n/a
13001…20000	± 0.20%	n/a	n/a
Excitation Current	Range	Resolution	Accuracy
	0…1A	0.1mA	± 0.3% ± 2mA
Phase Angle	Range	Resolution	Accuracy
	± 180°	0.01°	± 0.05°
Display	5.2” dot matrix LCD 240x128 module with backlight		
Interfaces	Computer: RS-232C, 19200 baud, 9 pole Tap Changer: 3 pole contact in/out, potential free		
Printer	Thermal strip printer, 58mm paper		
Data Formats	CSV, XML, HTML		

(1) At Excitation voltage, values valid after a warmup-time of 30 min

SCOPE OF SUPPLY

TTR 2795

Cable Accessories Bag
(2) 5m, 3-phase spider cables
(4) HV Clamps, (4) LV Clamps
Application Software
USB to RS-232 adaptor
6ft Input Power Cord
Operations Manual
Calibration Certificate



OPTIONAL ACCESSORIES



279X/10
(2) 10m, 3-phase extension cables

279X/TAP
Remote tap changer switch



2795/V
Verification box to check 2795 functionality
Selectable ratios: 1, 10, 100, 1000



EXT-WARN
Warranty Extensions to 2 or 3 years
Standard Warranty is 1 year

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HAEFELY HIPOTRONICS has a policy of continuous product improvement. Therefore we reserve the right to change design and specification without notice.

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