

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.



APPLICATIONS

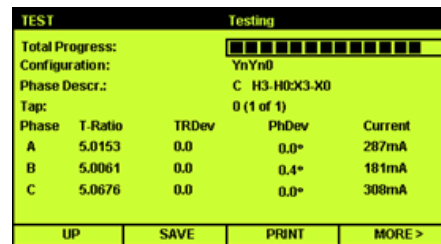
- Power Transformer
- Distribution Transformer
- Instrument Transformers



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

INTERFACE & APPLICATION SOFTWARE



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			
Ratio	Accuracy(1)		
	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

OFFICES:

Europe

Haefely Test AG

Birsstrasse 300

4052 Basel

Switzerland

☎ + 41 61 373 4111

☎ + 41 61 373 4912

✉ sales@haefely.com

China

Haefely Test AG Representative Beijing Office

8-1-602, Fortune Street

No. 67, Chaoyang Road, Chaoyang District

Beijing, China 100025

☎ + 86 10 8578 8099

☎ + 86 10 8578 9908

✉ sales@haefely.com.cn

North America

Hipotronics, Inc.

1650 Route 22 N

Brewster, NY 10509

United States

☎ + 1 845 279 3644

☎ + 1 845 279 2467

✉ sales@hipotronics.com