



Innovation to Engineering

ATRI-3F

AUTOMATIC TURNS RATIO INSTRUMENT

With Flash Drive Interface



Two set of 10 Meter Cable

Key Functions

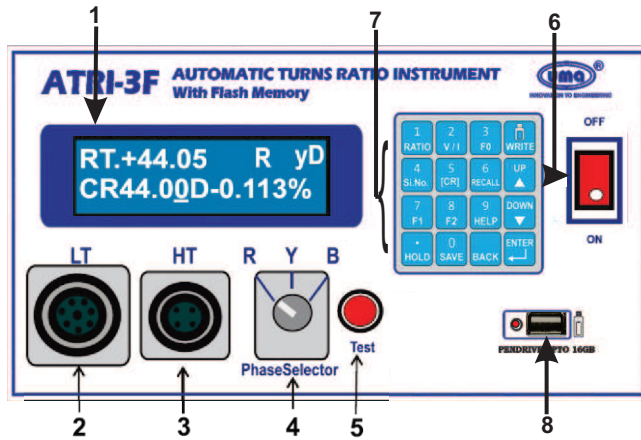
- Shows LT Voltage (Excitation Voltage), LT Current (Excitation Current), HT Voltage.
- Shows Actual Turns Ratio, Calculated Ratio, % Deviation and Polarity
- Internal memory to save up to 500 Tests.
- Flash Drive/ Pen Drive Interface to save internal Data.
- Recall button to see previous test data.
- Button to save all data to Pen Drive/ Flash Drive.
- Button to set Transformer Serial Number.
- Real Time Clock to set Date and Time.

Key Features

- Fully Automated measurement of - Turns Ratio
Excitation Current
HT and LT voltages
Polarity
Percentage Deviation
- Three Phase Connection enables simpler and faster testing.
- Accuracy - DSP based measurement with high resolution 24 bit ADC ensures class 0.1 accuracy.
- Test voltage of 1.8 V is provided to LT through ON/OFF switch. Thus ensuring safety of personnel and instrument.
- Fuse protection - Fuse is provided to take care in case of shorting winding.

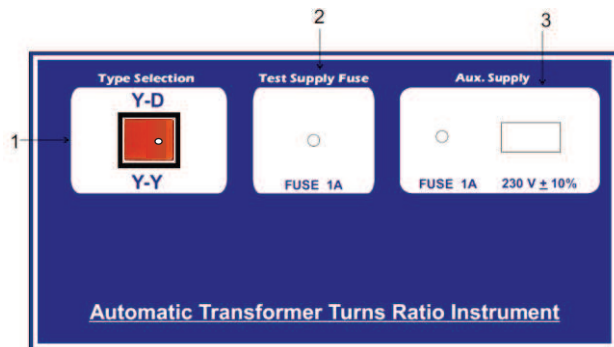
Smart Solution Makes You **SMARTER**

Front Panel Description



- 1- 16X2 Jumbo LCD Display (Color Bluemoon)
- 2- Sensing and Excitation Terminal for LT Voltage
- 3- Sensing Terminal for HT Voltage
- 4- Phase Selector Knob
- 5- ON/OFF Switch for applying test voltage
- 6- Aux. ON./OFF Switch
- 7- 4X4 Keypad
- 8- USB Port for Flash Drive/ Pen Drive Connection

Back Panel Description



1. Type Selection :

It is used to select the transformer type Y-Y OR Y-D

2. Test Supply Fuse :

1A Fuse is incorporated with in fuse holder for protection.

3. Aux. Supply - 230 V + 10%

Technical Specification

A) Parameters	Turns Ratio, Excitation Current, HT, LT Voltage and Polarity
B) Principle	Applying test Voltage to the Low Voltage Winding of a transformer and accurately measures the resulting voltage from the high voltage winding. As per ANSI/IEEE C57.12.90
C) Excitation Voltage Excitation Current	1.8 V AC, 100Hz. Max 500mA
D) Accuracy	Class 0.1
E) Auxiliary Supply	230V ± 20%
F) Range (Ratio)	2.00 to 200.0
G) Weight (Approx.)	(3.2 KG -ATRI-3) (2.3 KG - Cable)
H) Dimension (mm)	Front -131 (H) 280(W) 280(D)

Developed and Manufactured by :
UMA ELECTRONICS ENTERPRISES

Office-
A-404, Vaishali Nagar,
Near Nursery Circle,
Jaipur , India.

Pin-302021

Tel: 0141-4017564

E-mail: info@umaelectronics.com

<http://www.umaelectronics.com>

Factory-
H1-54, Phase-1, Road 2D,
RIICO Industrial Area,
Bindayaka, Jaipur
India.

Pin-302012

Accessories



POWER CABLE



Two Set of 10 m Long
Three Phase Cable

Other Related Products

- 1- Automatic Turns Ratio Meter (ATRI-3)
- 2- Three Phase Power Analyzer (DPATT-3Bi)
- 3- Double Voltage Double Frequency (DVDF-1)