

# TR-Jr.

## SPECIFICATIONS:

MODEL:	TR-Jr. – Single Phase Ratio Meter
SIZE:	L: 14" (356 mm) W: 10" (254 mm) H: 6" (155 mm)
WEIGHT:	10 lbs. (4.5 kg)
INPUT POWER:	100 to 240 VAC 50 / 60 Hz Autoranging
TEST VOLTAGE:	User Selectable: 10 & 40 VAC
PANEL DISPLAY:	LCD Graphic with backlight
FRONT PANEL:	Sealed, Piezo-electric actuation
INTERFACE:	9 Pin RS232 (Serial) / 25 Pin Centronics (Parallel)
MEMORY STORAGE:	Internally stores 100 complete test results with 33 tap measurements each

## MEASUREMENT PARAMETERS:

Turns Ratio Range: 0.8 ... 4,000  
Resolution: 5 Digits

## ACCURACY:

Range 0.8 ... 2000  $\pm$  0.1 % with 40 Volt  $\pm$  0.15 % with 10 Volt  
Range 2001 ... 4000  $\pm$  0.2 % with 40 Volt  $\pm$  0.4 % with 10 Volt

	CURRENT
RANGE:	0 ... 1 Ampere
ACCURACY:	$\pm$ 0.001 Ampere
RESOLUTION:	0.0001 Ampere
TEMPERATURE:	Operating: -10° C to 60° C Storage: -40° C to 70° C

## FEATURES:

- Laboratory accuracy of measurements of Turns Ratio and Current
- System is housed in a rugged, lightweight, waterproof case
- Graphical display of tap changer test results
- Fully automatic, continuous operation bridge
- Internal storage for test results
- Single push button operation
- Two voltage ranges – 10V, 40V
- Comparison with a nominal ratio
- Load on test object < 0.05 VA
- Heavy duty protection circuitry
- Centronics (Parallel) & RS232 (Serial) Interface
- Safety Emergency shut off
- Self calibrating
- 5 year standard warranty



## STANDARD ITEMS:

- 3.5 meter test leads (single phase)
- 3 meter RS-232 cable
- 3 meter power cord
- Cable bag
- Instruction manual
- Certificate of Accuracy

## OPTIONAL ITEMS:

- 10 Meter Extension Cables (SM-202)
- Annual Warranty Extension