

# Turns Ratio Meter 1 Phase

Rechargeable Battery operated

Continuity Test

Pass/Fail Function



TR-1P

# Turns Ratio Meter 1 Phase

## TR-1 and TR-1P

### Features

System is housed in a rugged, lightweight, waterproof case  
Rechargeable battery operated instrument  
Can be recharged with line voltage, or optional DC Car adapter  
Reverse Polarity Test  
Continuity Test  
Test current up to 1 A for CT testing  
Built in printer in TR-1P model  
Fully automatic, continuous operation bridge  
Internal storage of the last 50 test results  
RS-232 interface with optional adapter  
Pass/Fail Function  
Save up to 16 Transformers for comparison  
Over 1000 Measurements without recharging



### Measurement Parameters

Range	Accuracy in PT Mode (40V)	Accuracy in CT Mode (1 ... 5V)	Resolution
0.8 ... 100	±0.08 % Rdg ±1 LSD	±0.08 % Rdg ±1 LSD	5 Digits
101 ... 4000	±0.08 % Rdg ±1 LSD		5 Digits
Current	Accuracy	Resolution	
PT-Mode: 0 ... 0.1 A	±1 mA	0.1 mA	
CT-Mode: 0 ... 1 A	±1 mA	0.1 mA	
Temperature	Operating -10 °C to 60 °C, Storage -20 °C to 70 °C		

### Specifications

Model	TR-1 and TR-1P
Size	L: 270 mm (10.62") W: 245 mm (9.68") H: 125 mm (4.87")
Weight	3.2 kg (7.0 lbs.)
Battery	Lithium Ion Battery 16.4V/1.6Ah
Input Power	85 to 264 Vac, 47 ... 63 Hz 12 VDC (optional)
Output Voltage	PT Mode: 40 VAC, 12 VDC (optional) CT Mode: 1 V ... 5 V Autoranging
Panel Display	LCD Graphic with back light
Front Panel	Sealed, Anodized with a multi-actuation rotary knob
Interface	RS-232 (with optional interface adapter)
Memory Storage	50 Measurements

### Accessories

Set of test leads, instruction manual, instrument bag

### Options

TRO 101	10 Meter Extension Cable
TRO 106	DC Car adapter
TRO 107	Serial Interface with cable