

UDEY

DIGITAL OHM METER : TRT-18

$\mu\Omega$ - $m\Omega$ - Ω

Test current: 10 A max

Features

4½ digit LCD display

True 4 terminal measurement-eliminates lead error

Constant DC current source

Front panel with legend

1999.9 micro ohm to 19999 ohm in 8 ranges

Portable light weight



Applications:

Measure resistance of power transformers.

Measure resistance of large electrical machines.

Measure contact resistance of low voltage switches.

Measure resistance of electric wires, cables, welding line connections etc.

Introduction:

The UDEY 'TRT-18' is a high precision, new generation tester which replaces DC wheat stone bridge and double arm bridge for measurement of DC resistance. 'TRT-18' generates true DC current, four terminal measurement, digital display of resistance value. The measurements are accurate as the test current is highly stable.

Principle:

The current generated is fed to the resistance under test through the current terminals and the voltage drop across the resistance under test is measured and displayed in ohms. A true four terminal measurement is used to eliminate the need for lead resistance compensation.

The advantages of TRT-18

Quick speed measurement of resistance

High precision: $\pm 0.03\%$ ± 4 digits

Direct display-resistance

True 4 terminal measurement No lead compensation required

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[international source of power utility T & M equipments]

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Description:

UDEY 'TRT-18' is a new generation, digital ohm meter using 4 terminal measurement technique. The entire test is done quickly. 'TRT-18' generates true DC ripple free current, powers up the test current, takes the readings, and displays the results on the digital display.

True portability is achieved by the lightweight single unit design housing.

'TRT-18' is encased in a sheet metal, powder coated cabinet with lifting handles.

SPECIFICATIONS:

Power supply: 230V±10%, AC 50 Hz, single phase mains supply

Output : 15V DC maximum

Ranges :

Range	Test current	Resolution
1999.9 u Ohm	10 A DC	0.1 μ ohm,
19.999 m Ohm	1 A DC	0.001 m ohm,
199.99 m Ohm	1 A DC	0.01 m ohm
1999.9 m Ohm	1 A DC	0.1 m ohm
19.999 Ohm	100 mA DC	0.001 Ohm
199.99 Ohm	10 mA DC	0.01Ohm
1999.9 Ohm	1 mA DC	0.1Ohm
19999 Ohm	100 uA DC	1 ohm

Accuracy : ± 0.03% reading ± 4 digits

Display : LCD: 4½ digits with hold switch

'Rx' open/over range: Display of '1'

Protection : Thermal cut-out for over heating, and protection on terminals for live voltage.

Cooling : Cooling fan provided.

Indicator : Power on

Usage environment: up to 50° C. < 90% R.H.

Enclosure : Powder coated sheet metal cabinet with lifting handle.

Dimensions : 36x36x19 cm [LxDxH] approximately

Weight : 8.0 kg. approximately

Accessories : Power supply cord 3 core 2 metre long.

5 meter long flexible testing cable set with alligator clamps.

Operating Manual.

Ordering information: TRT-18

- Specification subject to change due to constant up gradation

Catalog# TRT-18