

KPM Transformer Winding Resistance Tester (KPM-TWRT20A)



Winding resistance measurement of the Power Transformer is one of the critical test which ensures the healthiness of the transformer .

KPM offers a complete line of transformer testing equipment .The KPM TWRT Series Transformer Winding Resistance Tester are the product of the latest generation . KPM TWRT20A is an effective & easy to use equipment capable of testing a transformer as

Connection Diagram

KPM offers a complete line of transformer testing equipment. The KPM TWRT Series can be classified in terms of below models

TWRT-2A	(2A , 1 Phase Testing)
TWRT-10A	(10A , 1 Phase Testing)
TWRT-20A	(20A , 1 Phase Testing)
TWRT-40A	(40A , 1 Phase Testing)
TWRT-20	(40A, 1 Phase Testing & 20A, 3Phase Testing)

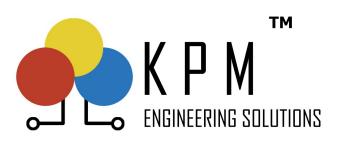
- High Current Source of 20A
- Winding Charging Indication
- Tap Changer fault finding ability.
- Simple Operation
- Rugged Design
- Automatic Discharge Function with Indication
- Reverse Connection Indication
- PC Connectivity with onboard printer.

Technical Specifications

well as tap changer without interruption .

KPM TWRT20A is provided with the largescreen LCD and graphical interfaces which makes the operation visually clear and easy. Besides, it is provided with on-board printer and large non-volatile memory, so the measurement results can be stored and printed easily. With good stability of results, speediness and perfect repeatability, it is the best choice for the on-site measurement of DC resistance of transformer. 1. Resistance precision : \pm (0.2%RGD+2d)

- 2. Test range :
 - 1. 1.000Ω -1000 Ω (20mA)
 - 2. 100.0m Ω -100.0 Ω (200mA)
 - 3. 10.00m Ω -10.00 Ω (2A)
 - 4. 4.000m Ω -4.000 Ω (5A)
 - 5. 2.000m Ω -2.000 Ω (10A)
 - 6. $1.000 \mathrm{m}\Omega$ - 1.000Ω (20A)
- 3. The least scale : 1u Ω
- 4. Output current precision:±5%
- 5. Support for data uploading to PC
- 6. Two hundred groups of data can be stored
- 7. With thermal printer to print the test data
- 8. Weight: 10KG
- 9. Power supply : AC220V±10%, (50±1)HZ operation condition : -10 \sim 50°C Humidity <90% No Condensation.

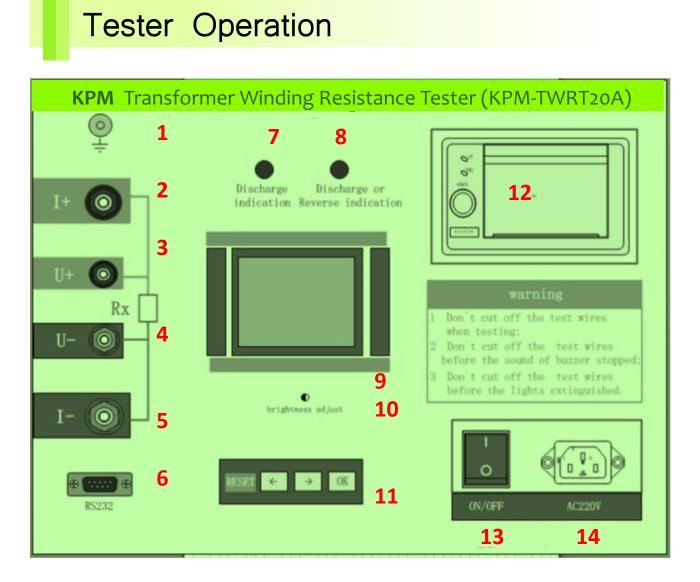


*All product specifications & pictures are subject to change without prior notification

Key Parameter Monitoring



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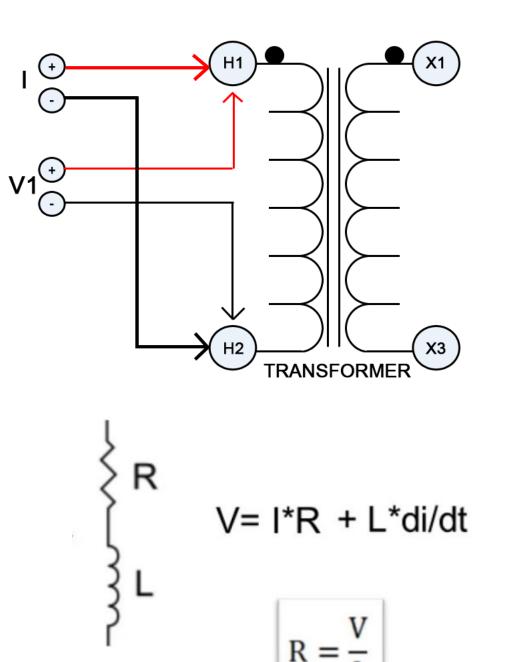
- 1. Earth Terminal
- 2. I+ Terminal
- 3. U+ Terminal
- 4. U- Terminal
- I- Terminal 5.
- RS 232 Port 6.
- 7. Discharge Indication
- **Reverse Connection Indication** 8.
- 9. LCD Screen
- 10.Brightness Adjustment Screen

Applications

- 1. Verify factory test readings.
- 2. Help to locate the presence of defects in transformers such as increased contact resistance in terminal connections and tap-changers.
- 3. Check the operation of on-load tap changers.

Principle of working

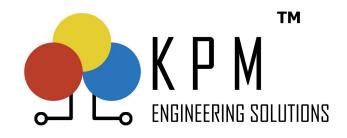
Transformer winding resistance measurements are obtained by passing a known DC current through the winding under test and measuring the voltage drop across each terminal (Ohm's Law).



11.Key Pad 12.Printer 13.Power Switch 14.Power Supply Port

Accessories

- Tester 1.
- 220V power wire 2.
- Test wires 3.
- 4. Ground wire
- 5. Fuse (3A)
- 6. PC software CD
- **KPM ENGINEERING SOLUTIONS PVT. LTD.** 815 A, 8th Floor, Unitech Arcadia, Sec 49, Gurugram – 122018 ,Haryana Website : www.kpmtek.com Email : info@kpmtek.com Phone No: +91 124 4001088
- 7. Operational Manual 8. Production certification 9. USB-serial wire 10. Accessory bag



Key Parameter Monitoring

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