KPM Transformer Winding Resistance Tester (KPM-TWRT20)

KPM -TWRT20 is a transformer winding resistance tester.

Simple operation & performs the winding resistance test of all the transformers.

The three current sources of 20A DC backed by a high voltage \geq 30V stabilizes the readings in the least time.



Key Specifications:

Input Power	AC 220V±22V, 50H	lz±2Hz		
Output	User Selectable Curre 3 Phase Mode Up to 1A Up to 5A Up to 5A Up to 10A Up to 20A NA Open Circuit Voltage	1 Phase Mode Up to 1A Up to 5A Up to 10A Up to 20A Up to 40A		
	Maximum Power @ 400 Watts			
Resistance Measurement	Resistance Ranges			
	3 Phase Mode	1 Phase Mode		
	10m Ω -6 Ω @1A	10m Ω -20 Ω @1A		
	1m Ω -1 Ω @5A	1m Ω -4 Ω @5A		
	1m Ω -2 Ω @10A	1m Ω -2 Ω @10A		
	1m Ω -0.3 Ω @20A	1m Ω -1 Ω @20A		
	NA	1m Ω -0.5 Ω @40A		
	Accuracy: $\pm(0.2\%)$ of	reading+ 5 counts)		
	Resolution: 0.1 $\mu\Omega$			

Act as a high current single phase transformer winding resistance tester with 40A DC current source .This highly increases the ability of KPM-TWRT20, making it a one stop solution for winding resistance testing of all Transformers.

Key Points:

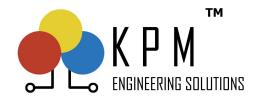
- High Current of 40A in 1-ph mode for testing of large capacity transformers
- High Current of 20A in 3-ph mode provides three phase resistance measurement in Single Test
- Large capacity non-volatile memory.
- Quick & stable results due to high power sources
- Simple operation
- Inbuilt printer

Case

Automatic discharge function with audio/visual indication

Printer Interface	Inbuilt
User Interface	Keypads with push buttons & bright
	display LCD

Internal Data Storage 150 groups Auto Discharge Alarm Automatic discharge function with audio/visual indication Operating Temperature: 0°C~40°C Environmental Storage Temperature: -10°C~60°C Humidity: ≤80% Dimensions 360x280x420 (mm³) Weight 25kg (Instrument only, excluding leads & casing) Rugged plastic hard carry case with stroller 220V Power Cable - 1 No. Accessories Test Cables - 1 Set Ground wire - 1 No. Fuse (3A) - 5 Nos. Instruction Manual - 1 No. Test Certificate - 1 No. Accessory bag - 1 No.



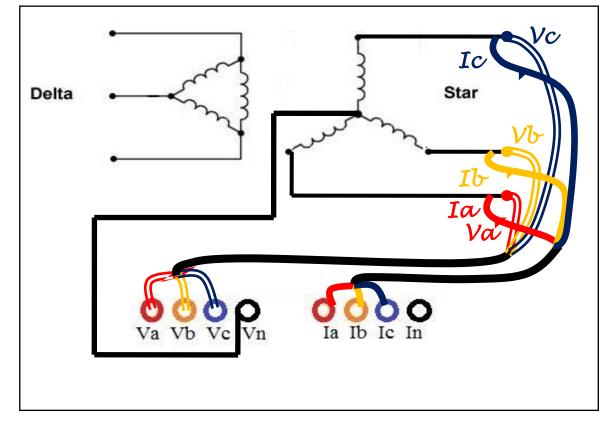
*All product specifications & pictures are subject to change without prior notification

Key Parameter Monitoring

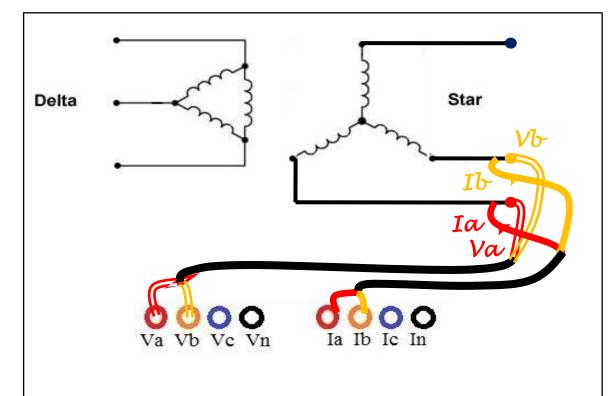
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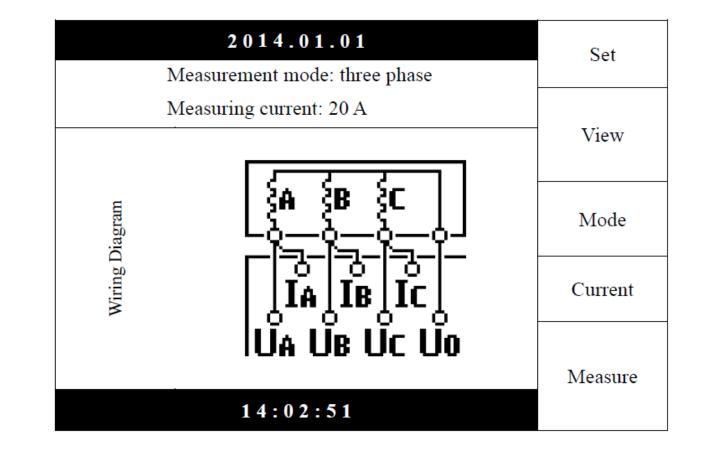
Applications:

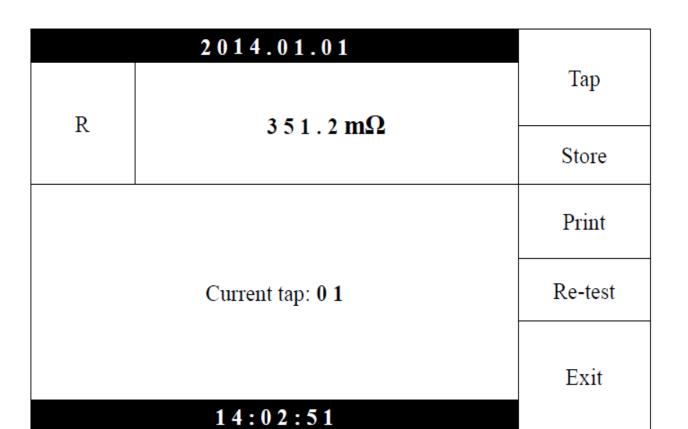
3 Phase Mode:



1 Phase Mode:









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Key Parameter Monitoring

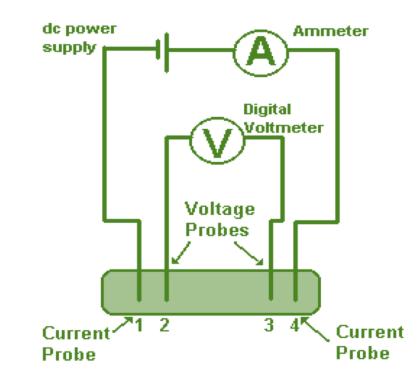


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Selection Chart:

	3 Phase Mode				1 Phase Mode				
Current	1A	5A	10A	20A	1A	5A	10A	20A	40A
Resista nce									
$1 \text{m} \Omega$		\checkmark	\checkmark	\checkmark		\checkmark	\checkmark	\checkmark	\checkmark
10m Ω	\checkmark								
300m Ω	√	√	√	√	√	\checkmark	\checkmark	\checkmark	\checkmark
500m Ω	√	√	√		✓	\checkmark	\checkmark	\checkmark	\checkmark
600m Ω	√	√	√		✓	\checkmark	\checkmark	\checkmark	
1Ω	\checkmark	\checkmark			\checkmark	\checkmark	\checkmark	\checkmark	
2Ω	\checkmark				\checkmark	\checkmark	\checkmark		
4Ω	\checkmark				\checkmark	\checkmark			
6Ω	\checkmark				\checkmark				
20Ω					\checkmark				

Principle Of Operation:



 When DC current is injected by current source through the transformer windings.
The voltage drop is measured across the transformer winding

According to the **OHM'S LAW.** •We will get insulation resistance of the winding by:

R=V/I

About Us

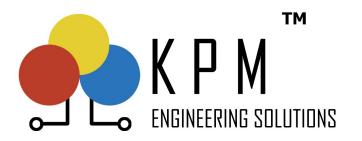
KPM is a high quality manufacturer & provider of rugged electrical testing equipment for EHV/HV/LV substations. KPM solutions are known for:

- Best in class specifications
- Unique test approach
- Interference rejection capability

Each equipment is supported by advance service center in Gurgaon backed by a team of expert application & service engineers. KPM aims in bringing highest specification products at the doorstep of Indian customers in best rates.

Contact us

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Key Parameter Monitoring