

RDB-IIH Portable Transformer Ratio Test Kit

In the production process of semi-finished and finished power transformers, before the newly installed transformers are put into operation and according to the standards, it is required to test the turn ratio or voltage ratio of the running transformers so as to check the correctness of the turn ratio of transformers, the condition of tap changer, whether the transformers are short-circuited between turns, and whether the transformers can operate in parallel. The traditional bridge reading is not intuitive, so the conversion can only be carried out phase by phase. RDB-IIH Portable Transformer Ratio Test Kit overcomes the shortcomings of conventional ratio bridge tests, which are easy to operate and intuitive. It adopts a three-phase precision inverter power supply and has fast testing and high accuracy.



Product Features


1. A three-phase precision inverter is used in the Portable Transformer Ratio Test Kit to eliminate the harmonic effect of the primary voltage and make the measurement more accurate. When the working power supply is a generator, there is no influence.
2. The three-phase output voltage is adopted to improve the test speed. The transformer connection group (0 ~ 11) can be automatically identified.
3. It is suitable for the measurement of a wide variety of transformers, such as Z-type transformers, rectifier transformers, grounding transformers, electric furnace transformers, phase-shifting transformers and balance transformers, with the most comprehensive measurement parameters.
4. High and low voltage reverse connection protection, transformer turn-to-turn short circuit protection, tap changer opening and closing not in place protection, output complete short circuit protection, increase the stability of the Portable Transformer

Turn Ratio Tester.

5. After inputting the rated parameters, it can automatically measure the transformer ratio, error value and tap changer tap position, especially for the tap changer with an asymmetric tap connection; it can also accurately measure the exact position of the transformer tap changer, which can measure up to 99 tap changers tap positions.
6. It adopts a 7-inch high-definition colour touch-screen LCD with a modular display, and each operation step has a menu prompt, so the instrument operation can be completed only by looking at the LCD prompt without a manual.
7. No power down the clock and data storage function, with U disk storage function
8. The multi-functional engineering plastic box with cold and temperature resistance, sealing and waterproof, anti-falling and anti-shock is adopted for field tests.
9. Small size, lightweight, portable operation.



Product specifications and technical parameters

Picture		
Model	RDB-IIIH	
No.	Parameters	Value
1	Test range	0.9~10000
2	Measurement accuracy	$\pm 0.1\% + 2$ digits (0.9 ~ 500)
		$\pm 0.2\% + 2$ digits (501 ~ 2000)
		$\pm 0.5\% + 2$ digits (2001 ~ 10000)
3	Resolution	Minimum 0.0001
4	Output voltage	Automatically adjusted according to the load
5	Power supply	Built in rechargeable lithium battery or power adapter

6	Ambient temperature	-10°C ~ 40°C
7	Relative humidity	≤85%, no condensation



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