

Digital Transformer Ratiometer Model DXR-2000

Now
available
with ratio
of 2000:1!

- A light weight instrument for the precise determination of transformer ratios, polarity, and excitation current.
- An important tool for preventive maintenance, production testing and commissioning on all transformers.
- Built-in vector matrix for 3 phase testing - an important feature for diagnostic work.
- Accuracy $\pm 0.05\%$.



Description

The Digital Transformer Ratiometer is designed to measure the no-load ratio of transformers at flux densities low enough that the impedance drop resulting from exciting current may be ignored. Accordingly, the voltage ratio obtained will be a precise measure of turns ratio.

The ultra precision potential measuring and ratio calculation provides a five digit readout with $\pm 0.05\%$ accuracy.

Polarity indicator signals relative phasing at all times, while the LCD digital ammeter warns of saturation or shorted turns.

The 3-phase vector switch pack incorporates a convenient push-button switching arrangement which enables the operator to hook up the test lead harness to all terminals of a three-phase transformer in one operation, then proceed to test all phases on every tap setting without interruption or change of leads on terminals. The operator has full control over the test to select or short phases.

Zig-zag transformers, or transformers without an accessible neutral connection, can also be tested with no external shorting.

Digital Transformer Ratiometer

Model DXR-2000

Features

- Measures ratio, polarity and excitation current
- Ratios 0.8 to 200 in 3 ranges
- Direct digital readout of ratio and excitation current
- Built-in switching for 3 phase testing - an important feature for diagnostic work
- Electronic ratio calculation
- Portable in sturdy fiberglass case

Applications

- Potential Transformers
- Current Transformers
- Power Transformers
- Distribution Transformers
- Bushing-Current Transformers

Specifications

Power input	120V or 230V, 50/60 Hz
Ranges	Ratio 0.8000 - 1.9999 1.9999 - 19.999 19.999 - 199.99
Metering Ratio	4 1/2 digit LED ratio calculating display
Excitation Current	3 1/2 digit LCD, 0 - 199.9 mA
Accuracy	Ratio $\pm 0.05\%$ or 1 turn in 2,000
Resolution	Ratio $\pm 0.005\%$ or 1 turn in 20,000
Temp Coeff.	10ppm/°C
Housing	Sturdy self-storing fiberglass case with lid and carrying handle
Dimensions	38 x 38 x 24 cm (15 x 15 x 9 1/2") including lid
Weight	12 Kg. (27 lb.) including test leads
Environmental	Operating temperature 0°C to +40°C Storage temperature -20°C to +60°C Relative humidity 0-95% FH (non-condensing) EMC EN61326 Safety EN61010-1
Approvals	CE

specifications subject to change without notice

Optional Accessories

- Transit Case
- Custom Lead Lengths
- Ratio Calibration Standard

Represented by: Contact Authorized Distributor For Further Information and Pricing:

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DXR-2000 Kit Contents

Contents: all contained in one foam lined carrying case

- Test Leads -
Test - harness - 50' (15m)
- Vinyl Zippered Carrying Pouch
- Operator's Manual
- Optional Foam Lined Transit case (as Shown below)



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