TRANSFORMER RATIO METER

Features

- Compact, Portable & Accurate
- Measures : Ratio & Ratio Deviation
  : Phase angle
  : Excitation Current
- Four Terminal measurement
- Three Phase Switching Network
- Reverse Polarity Indication & Correction
- Gain Control Detector
- Fast Acting MCB & a safety Fuse

AMBER XR-120

AMBER XR-120s

Description

AMBER Transformer ratio meters use the Striking feature of four terminal measurements. It basically measures the NO-LOAD turns ratio of a transformer i.e., **The ratio of the high voltage winding to the low voltage winding of a transformer.**

The ratio can be read off directly from the dials on the front panel. The percentage deviation dial makes finer resolution leading to increased system's accuracy. Additionally the facility of phase angle measurement can be used to predict inter-turn shorts, core shifts etc.

AMBER Transformer ratio meters has an in-built excitation current meter calibrated in two ranges (1mA & 1A). It measures the excitation current of the transformer under test at 120V. A three phase switching network is provided to ease the operation of cable connection. The protection circuit comprising of a fast action Miniature Circuit Breaker along with a fast blow fuse ensures absolute Safety of operation.

Applications

- Distribution Transformers
- Power Transformers
- Current Transformers
- Potential Transformers
- Auto Transformers

Specification

Measuring Range	: 0.8 : 1 to 2021 : 1
Accuracy	: ± 0.1% of the ratio
Ratio Deviation	: ± 0.5% of the ratio with a resolution of 0.02
Phase Angle in CR	: Ranges of 0.55CR & 5.5CR
Test Voltage	: 3V/6V, 12V & 120V AC at 1A isolated
Power	: 230V AC ± 10%, 50Hz, 150VA
Dimensions	: 16"x9" x 8" (LxWxH)
Weight	: 12Kgs (approx)

Specifications may change without notice due to continuous development.

An ISO 9001 : 2015 Certified Company
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