ndb

Advanced and Innovative Solutions

NDB-DOC™

Distribution transformer tester

The NDB-DOC™ is a test instrument designed for distribution networks transformers from 10kVA to 2500kVA. It can determine the presence of short circuits or an open circuit in the distribution transformer primary winding & also short circuits on the secondary winding. The NDB-DOC™ is designed to be operated from an arial device or from the ground at the end of a hot stick without disconnecting the transformer's secondary windings.

ADVANTAGES

- No need for disconnecting transformer secondary windings therefore saving time
- Reduces risks of hazards when putting fuses back online when the transformer windings are shorted
- Conformity with the requirements for safety (IEC-TC78)
- Rugged Delrin® made casing, drop-safe

FEATURES

- For transformers up to 833kVA single phase or 2500kVA three phase (Pole mount or Pad mount)
- Measurement by contact on the transformer primary bushing and Neutral/Ground
- Used on de-energized transformer
- Detects primary transformer short-circuit, open circuit, & secondary short circuits
- Visual and audible warning
- Automatic self-test & Auto shut-off
- Low battery indicator

NDB-DOC™ Instrument

EASY OPERATION

The instrument requires an electrical connection to the primary bushing and the system ground (neutral). The NDB-DOC™ displays the diagnostic readings with a visual and audible signal. The NDB-DOC™ kit includes the test instrument, contact electrodes (Pole mount hook & Pad mount pin) and a transportation bag.

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TECHNICAL SPECIFICATIONS

Supported transformers	Distribution single phase kVA range selection: • 10 to 20 kVA • 25 to 167 kVA • 167 to 2500 kVA
Probe	Hook type probe and pin type probe
Operating temperature	-25°C to 55°C (-13°F to 131°F)
Indications	Audible and visual
Power supply	Battery operated, PP3 9V
Approvals	IEC-TC78

NDB-DOC™ with hook type probe

NDB-DOC™ easy to use interface

OPERATION

Linemen crews are called on to re-energize transformers regularly, whether it's after storms or when line faults occurs etc... The reasons for the outages are not always obvious, but the power needs to get back on. When damaged or connected to a faulty circuit, the transformers can rupture with massive amount of energy when attempting to re-energize. In order to make a better decision whether it is safe to re-energize the transformer or not the NDB-DOC™ is your friendly and safe choice!

WHAT'S INCLUDED

- NDB-DOC™ instrument with hook type probe
- Pin type probe
- Transportation bag
- User manual
- Laminated quick reference guide

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