



OPERATING INSTRUCTIONS – CATALOG NO. 865 Transformer Polarity Checker

READ THIS PRIOR TO USE:

Use of this instrument requires the Transformer under test to be completely de-energized. For best results the Transformer under test should be disconnected from the circuit on at least one terminal on each of the primary and secondary.

For best results, perform the Instrument Check Procedure prior to any testing.

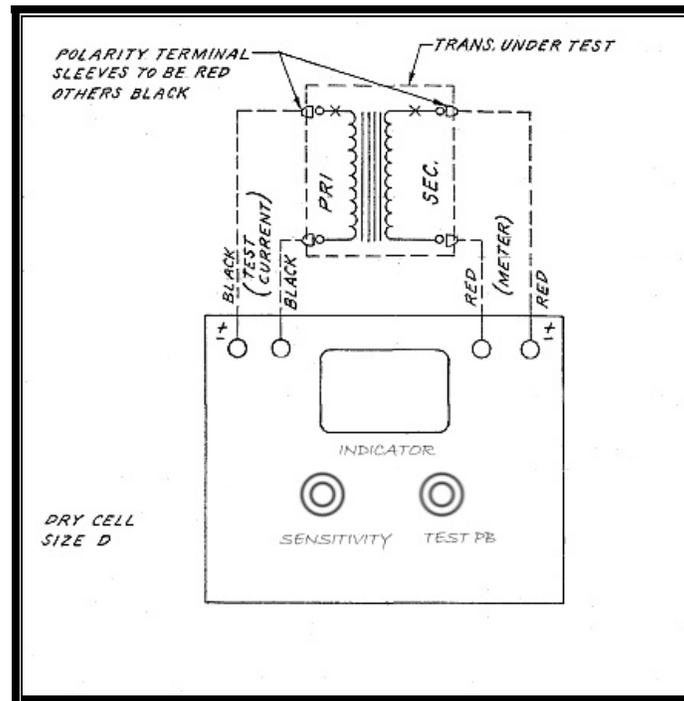


Figure 1



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Instrument Check Procedure

1. Connect the two Red sleeves (clip boot) leads together
2. Connect the two Black Sleeves (boots) leads together
3. Turn the sensitivity control to the full counterclockwise position
4. Depress the Test Button
The indicator meter should deflect to the right (→)

Transformer Polarity Test Procedure

1. Primary Connections (Test current connection)
 - a. Connect the #1 Black Lead (Red Insulator Boot) to the Polarity terminal of the Transformer Primary
 - b. Connect the #2 Black Lead (Black Insulator Boot) to the non-polarity terminal of the Transformer Primary
2. Secondary Connections (Meter Connections)
 - a. Connect the #1 Red Lead (Red Insulator Boot)to the Polarity Terminal of the Transformer Secondary
 - b. Connect the #2 Red Lead (Black Insulator Boot) to the non-polarity terminal of the Transformer Secondary
3. Test
 - a. Depress the Test Button
The pointer (meter needle) should deflect to the Right (→)
 - b. Release the Test Button
The Pointer (meter needle) should deflect to the Left (←)

Note:

For testing CTs the Sensitivity should be turned all the way Clockwise, for PTs the Sensitivity should be turned all the way Counter-Clockwise.

For Toroidal CTs (donut or window CTs) it may be necessary to wrap the black leads a few turns through the window.