

Manual Supplement

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This supplement contains information necessary to ensure the accuracy of the above manual. This manual is distributed as an electronic manual on the following CD-ROM:

CD Title: 1623-2/1625-2
CD Rev. & Date: 1/2014
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Change #1

On page 36, following Figure 14 add:

Stakeless Ground Loop Measurement

With this test method, two clamps are placed around the earth ground rod or the connecting cable and each are connected to the Tester. Earth ground stakes are not used. A known voltage is induced by one clamp, and the current is measured with the second clamp. The tester automatically determines the ground loop resistance at this ground rod.

1. Select . See Figure.
2. Connect current clamps.

Connect the inducing clamp to terminals H/C2 and E/C1 with the supplied safety test leads (1.5 m) as shown.

Note

*Use the recommended current clamp for inducing only.
Other current clamps are not suited.*

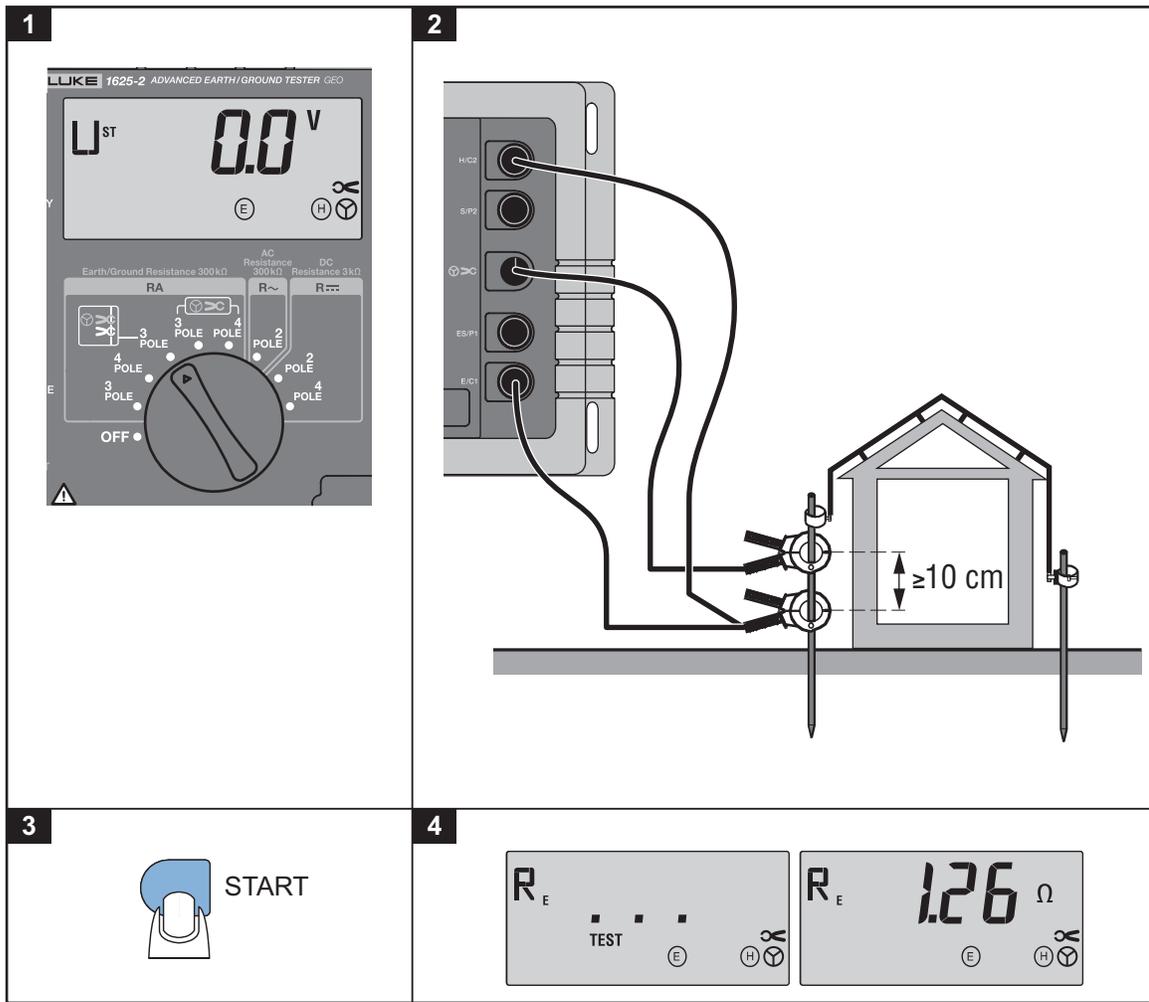
Connect the second current clamp using the adapter cable (sensing current clamp).

Clamp both current clamps around the earth electrode, which will subsequently be measured.

Note

Minimum distance between the two current clamps is 10 cm.

3. Push "START TEST" button.
4. Read out measured value R_E .



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Stakeless Ground Loop Measurement

Change #2

On page 44, replace the first table with:

Range	Display Range	Resolution	Accuracy	Operating Error
0.020...300 kΩ	0.02...29.99 Ω	0.01 Ω	±(2 % rdg+2 digits)	±(5 % rdg+5 digits)
	30.0...299.9 Ω	0.1 Ω		
	0.300 k...2.999 kΩ	1 Ω		
	3.00...29.99 kΩ	10 Ω		
	30.0 k...299.9 kΩ	100 Ω		
*If auxiliary earth resistance is lower than 300 ohms, the resolution of test range 0.020 to 2.999 Ω will improve to 0.001 Ω.				

On page 45, replace the table with:

Range	Display Range	Resolution	Accuracy	Operating Error
0.020...300 kΩ	0.02...29.99 Ω	0.01 Ω	±(7 % rdg+2 digits)	±(10% rdg + 5 digits)
	30.0...299.9 Ω	0.1 Ω		
	0.300 k...2.999 kΩ	1 Ω		
	3.00...29.99 kΩ	10 Ω		
	30.0 k...299.9 kΩ	100 Ω		
*If auxiliary earth resistance is lower than 300 ohms, the resolution of test range 0.020 to 2.999 Ω will improve to 0.001 Ω.				

On page 47, replace the table with:

Resolution	Range	Accuracy	Operating Error
0.001 Ω	0.020 to 1.000 Ω	±(7 % rdg + 10 digits)	±(10 % rdg + 5 digits)
0.001 to 0.1 Ω	1.001 to 199.9 Ω	±(7 % rdg + 3 digits)	±(10 % rdg + 5 digits)