

Transformer safety insulation test kit

DC Insulation test large Power Transformers safely at ground level



- Mitigates safety risk of falling off the top of transformers during testing
- Compatible with all MIT and S1 range of 5 and 10 kV Insulation testers
- Tests up to 12 transformer connections
- 5 kV rated connection box to connect all leads not under test to ground
- Removes the need to walk on top of high transformers
- Includes carry holdall for ease of transportation

DESCRIPTION

When testing large power transformers, it can be common practice to perform DC Insulation testing by climbing onto the top of the transformer with the insulation tester, to test each of the many connections one by one. The risk with this practice is clear when you consider that many large power transformers can be more than 10 m high.

The transformer safety test kit allows the risk of serious injury by falling off transformers to be mitigated, by allowing all test connections to be made in one go using a cherry picker / height platform, with long test leads allowing the instrument connections to be made down at ground level. The kit can make up to 12 test connections to the transformer.

When performing testing at ground level the test lead under test is connected to the instrument, while the other test leads not being tested are connected via a connection box to earth / ground. The leads are then swapped one by one to test each transformer connection in turn.

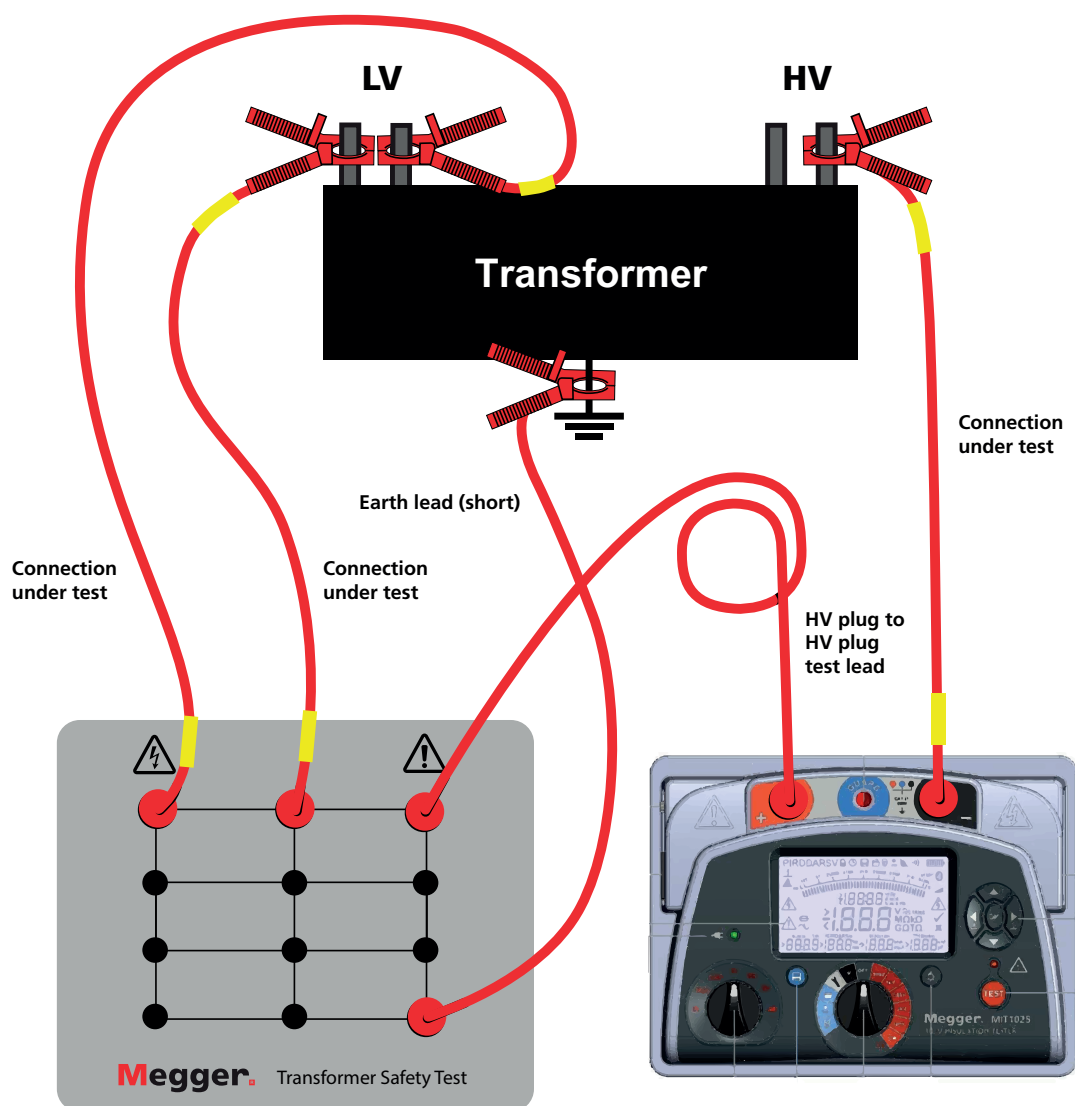
FEATURES

- 11 x 15m long transformer connection test leads
- Each transformer test lead marked at both ends to identify leads at both ends
- Test leads for LV, HV and core connections (see chart below)
- Rugged test lead connection box with 5 kV rated terminals for up to 12 connections
- Supplied with 3m test lead to connect connection box to test ground
- Supplied with 5m test lead with HV plug on both ends to connected connection box to the Instrument



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	"Lead marking (both ends)"	Colour	Terminations		Lead length	Comments
1	HV	Red	HV plug	Medium 6 kV clip	15 m	HV winding test lead
2	LV1	Red	HV plug	Medium 6 kV clip	15 m	LV winding test lead
3	LV2	Red	HV plug	Medium 6 kV clip	15 m	LV winding test lead
4	LV3	Red	HV plug	Medium 6 kV clip	15 m	LV winding test lead
5	LV4	Red	HV plug	Medium 6 kV clip	15 m	LV winding test lead
6	LV5	Red	HV plug	Medium 6 kV clip	15 m	LV winding test lead
7	LV6	Red	HV plug	Medium 6 kV clip	15 m	LV winding test lead
8	Core 1 sheet	Red	HV plug	Medium 6 kV clip	15 m	Core test lead
9	Core 1 clamp	Red	HV plug	Medium 6 kV clip	15 m	Core test lead
10	Core 2 sheet	Red	HV plug	Medium 6 kV clip	15 m	Core test lead
11	Core 2 clamp	Red	HV plug	Medium 6 kV clip	15 m	Core test lead
12	None	Red	HV plug	Medium 6 kV clip	3 m	Earth / grounding test lead
13	None	Red	HV plug	HV plug	5 m	Test box to instrument link test lead

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APPLICATION

Some applications for the transformer safety test kit

- Transformer manufacture
- Transformer Installation
- Transformer maintenance/repair

CONTENTS

- x11 15m test leads fitted with 6 kV rated medium sized test clips and HV plug
- x1 3m test leads fitted with 6 kV rated medium sized test clips and HV plug
- x1 5m HV Plug to HV Plug lead
- x1 Carry holdall

SPECIFICATIONS

Max kit test voltage: 5 kV
Compatible with: MIT515, MIT525, MIT1025, S1-568, S1-1068
Test connection box HV socket number: 12

ENVIRONMENTAL

Dust and moisture ingress: IP67 (lid closed)

SAFETY

Standards: IEC 61010-1:2010
Safety category : no CAT rating

MECHANICAL

Test connection box dimensions: 305 x 270 x 144 mm
Test connection box weight: 2500 g
Test leads: 139 L x 73 W
Test clip jaw capacity: 18 mm maximum diameter

ORDERING INFORMATION

Description	Part number
Product	1015-158



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