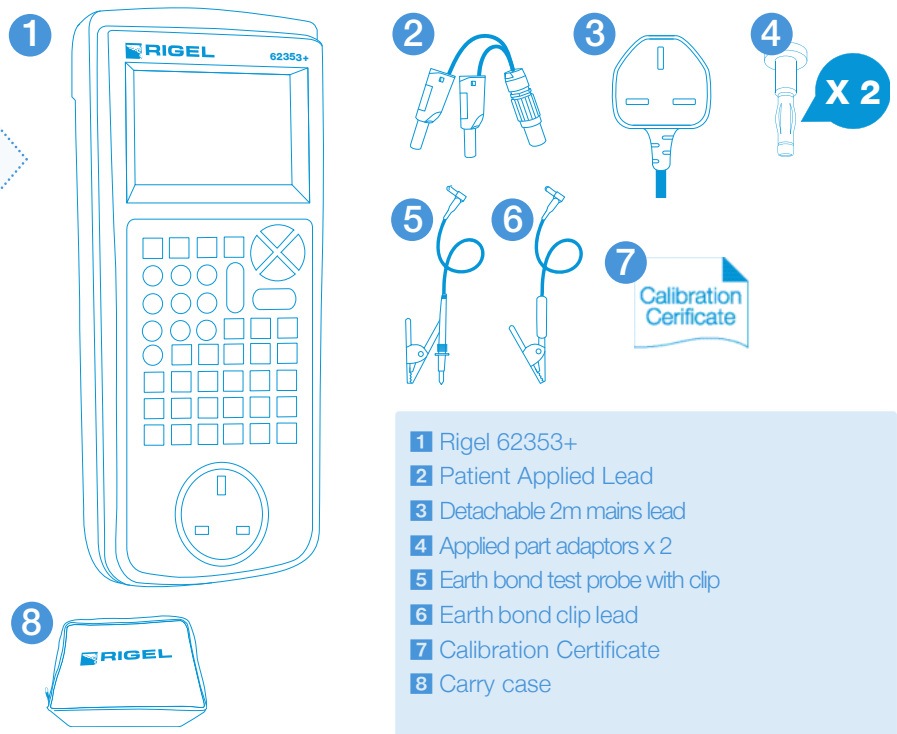
Introduction

Welcome to your new Rigel 62353+ Hand-Held Electrical Safety Analyser. This quick start guide tells you how to set up your Rigel 62353+ and make use of its key features. Once you are up and testing, you can learn more about the full range of features available on our website **www.rigelmedical.com/62353+**

What's in the box?



1. Rigel 62353+
2. Patient Applied Lead
3. Detachable 2m mains lead
4. Applied part adaptors x 2
5. Earth bond test probe with clip
6. Earth bond clip lead
7. Calibration Certificate
8. Carry case

NOTICE

If any items are missing on receipt of your new unit, please contact your equipment supplier immediately.

User notes

The following symbols are used throughout this Rigel Quick Start Guide.

Warnings and Cautions

Warning of electrical danger!
Indicates instructions must be followed to avoid danger to persons.

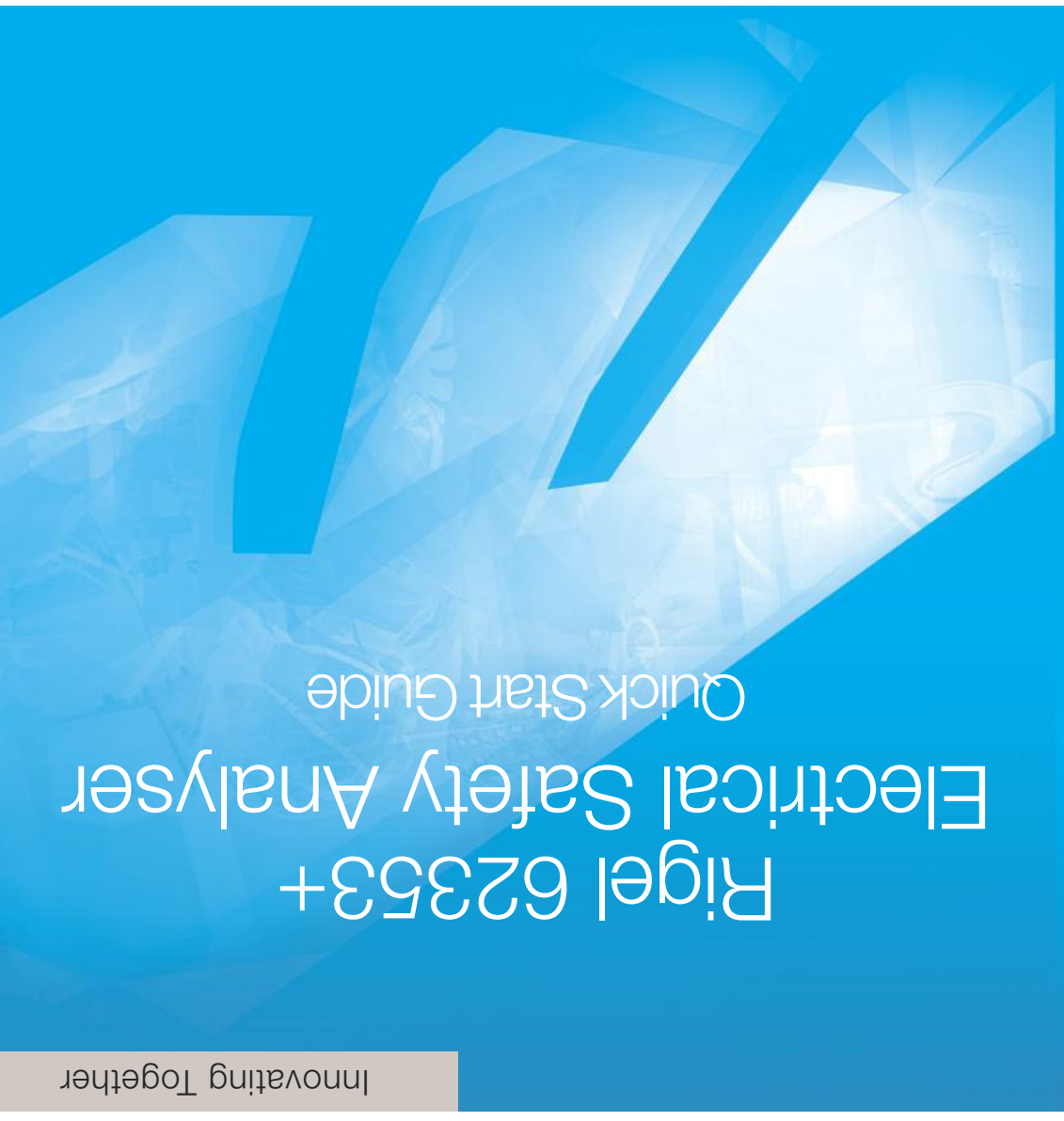
Important, follow the documentation!
This symbol indicates that the operating instructions must be adhered to in order to avoid danger.

Warning - during many of the leakage tests the PROTECTIVE EARTH CONDUCTOR to the appliance under test is interrupted. For this reason additional means of protection are required in order to comply with the relevant safety standards.

Safety - Do not connect any probe combination to the maximum permitted voltage of 30 V AC/DC with respect to earth potential when performing non-power tests. Danger of electric shock.

It must be assumed that safe operation is no longer possible:

- If the instrument or leads show any sign of damage
- If the instrument does not function
- After long periods of storage under adverse environmental conditions



Rigel 62353+ Electrical Safety Analyser Quick Start Guide

Innovating Together

Need Help?

For technical issues please visit **rigelmedical.com** and view the Application Notes in the Downloads tab. Application Notes are regularly updated and will most likely cover any common issues.

For further assistance please contact your Rigel Medical supplier or use the following contact details to speak to a member of the Rigel Medical team:

Sales and Delivery enquiries
Email: sales@rigelmedical.com
Tel: +44 (0) 191 587 8730 **Fax:**+44 (0) 191 586 0227

Technical enquiries
Email: support@rigelmedical.com
Tel: +44 (0) 191 587 8701

Service, Calibration and Repair
Email: service@calibrationhouse.com
Tel: +44 (0) 191 587 8720 **Fax:** +44 (0) 191 518 4666

Remember to activate your 2 year warranty* by registering your Rigel 62353+ with Rigel Medical

Go to **rigelmedical.com/register-product**

*Terms and Conditions apply. See website for details.

THE QUEEN'S AWARDS FOR ENTERPRISE: 2012

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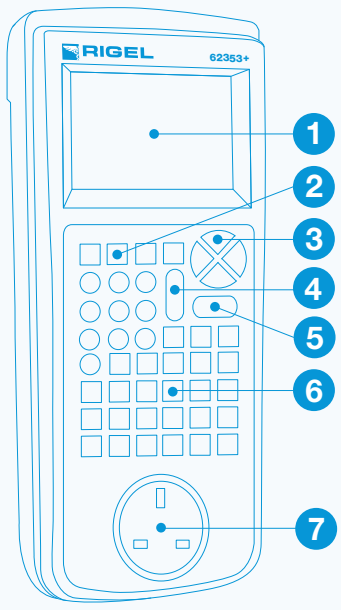
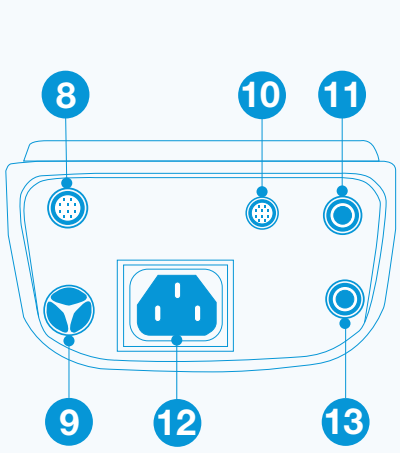
1 Getting to know your Rigel 62353+



Rigel 62353+

1. LCD screen
2. Function keys F1 - F4
3. Directional arrow keys
4. OFF/Stop key
5. ON/Start key
6. Alphanumeric keyboard
7. DUT socket



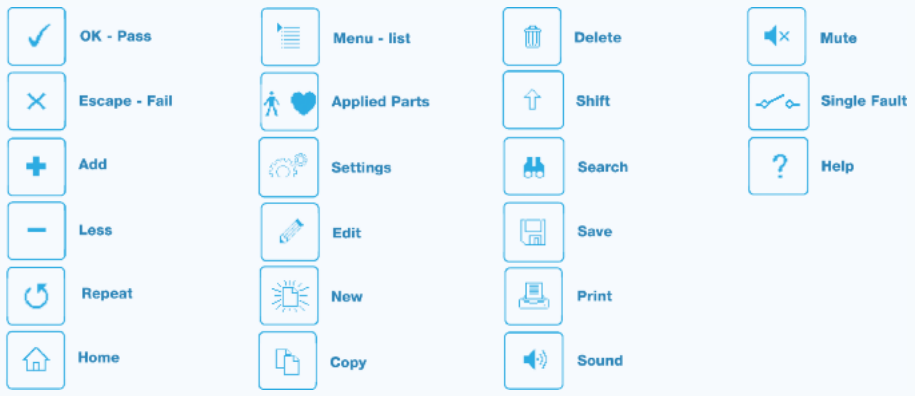
Rear Connection Panel

8. Applied Part lead connection
9. Mains power connection
10. RS-232 lead socket
11. Auxiliary earth bond socket
12. IEC lead test socket
13. Earth bond probe socket

2 Unique use of icons

The Rigel 62353+ features a high resolution graphic back-lit display which not only provides highly visible and easy to follow menu structures but also allows the user to operate the tester and the intuitive icons speed up test routines.

Rigel 62353+ icon key



Instruction manual

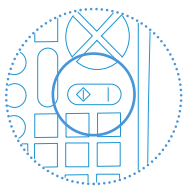
This Quick Guide is designed to be used in conjunction with the full Rigel 62353+ instruction manual.

The Rigel 62353+ Electrical Safety Analyser instruction manual is available as a download from **rigelmedical.com/rigel-downloads**

The download section also includes a free 30 day trial for our asset management software, Med-eBase.

3 Getting started

In this section we will identify some of the basic functions of the Rigel 62353+ and how to get you started.



Switch on

Turn on your Rigel 62353+ by pressing and holding the green **ON** button ⏻ until you hear a 'beep' and the Rigel splash screen appears

4 Perform electrical safety tests

Launch a test in Automatic Mode

- Ensure Device Under Test (DUT) is plugged into DUT socket.
- Enter the Asset ID and press F4 ✓ to accept then choose the test standard
- Scroll down to Run Mode and select semi or automatic mode
- Select F2 for the Applied Parts setup and F2 to edit

NOTICE

Selecting semi-automatic mode will allow for power breaks so that equipment can start-up and shut-down properly in between tests. For safety reasons, the Applied Part configuration will revert to 2 CF after the unit has been switched off.

- If the asset trace variables are activated, you will have the opportunity to enter details of Site, Location/Make/Model of DUT etc.

Testing in Manual Mode

- From the Main Menu select F1 and scroll down to Manual Mode and select F4 ✓ to confirm
- Select the required test using F4 ✓ and then press the GREEN ⏻ key to begin the test.

Re-launch a previously saved test

- Ensure DUT is plugged into test socket
- Select F1 for the main menu and then choose Auto Mode
- Enter the Asset ID of the DUT
- Press F4 ✓ to confrm that you want to reload the existing Test data or press F3 ✕ to edit test details

Warnings during testing

To ensure the measurements are performed under valid and consistent conditions, the Rigel 62353+ performs a number of self-checks upon power up and prior to a powered safety test (leakage test). A warning message may appear if these conditions are not met.

In addition, the Rigel 62353+ is able to check for a valid test setup for measurements done using the direct method. In case a secondary earth path is detected, the Rigel 62353+ will warn the user. It is not possible to continue as testing under such conditions will always result in a "zero" reading due to the low Ohm resistance of the secondary earth path in comparison to the 1kOhm resistance of the body model used in the Rigel 62353+.