

## IMPORTANT:

**Fused test leads, 500 mA (GS38) and 10 A, are available for this tester**

## Health and Safety for electrical testing Your risk assessment responsibilities

Before starting testing of an electrical installation, Megger Limited recommends that the risk assessment should consider the use of fused test leads.

### WHY USE FUSED TEST LEADS?

This tester is protected internally by high integrity fuses and clearance distances appropriate to the installation category and voltage ratings of the instrument.

A hazard may arise during testing where the electrical supply is short-circuited, possibly resulting in explosion, burnout of test apparatus, arcing etc. without rupturing the instrument's internal fuse. Fused test leads will rupture, protecting the operator.

Examples of the way that the supply might be shorted out are:

- Human error on the part of the electrician or someone else working on the system
- A test lead is trapped and shorts down to earthed metalwork
- The integrity of the test apparatus has been damaged by repair, overload, abuse or fault condition etc.

However the disadvantages are:

- An open circuit fuse in a test lead will give a dead circuit indication on the instrument. Appropriate working practices can address this issue.
- GS 38 compliant probes use 500 mA fuses and have an appreciable resistance making them unsuitable when loop testing on live systems.
- The fused lead itself will add a small variability into the test result. This may or may not be significant depending upon the particular application. This can be a major problem for earth loop impedance testing

Test leads fused at 10 A will provide protection from short circuit faults, but will not fail under normal testing conditions or add any significant loop resistance in most applications

**In summary** - Fused test leads can significantly reduce the risk under short-circuit fault conditions, but must be used with appropriate working practices.

### Ordering Information

#### Description

500 mA Fused red/black test leads (GS38)

10 A Fused red/green test leads

#### Order Code

6220-789

6220-827