

9073 Telaar Multi Function Tester

Quick Start Guide

AC/DC Voltage Measurement

Set dial to **U ac/dc** (switch pos 1)

Connect mains lead or test leads to socket L1 and L2.

Read measurement result on display

Continuity Resistance Testing

Set dial to Low ohms (switch pos 2)

Connect test leads to socket L1 and L2

To zero out the leads, connect crocodile clips and short the leads.

Press the COMP button; the value 0.00 will be displayed.

Connect to circuit under test using the crocodile clips. Press start, the unit will display values up to 1999 ohms.

Insulation Resistance Testing

Set dial to **Rins** (switch pos 3)

Connect test leads to socket L1 and L2 (do not connect PE lead)

Select the required test voltage by pressing the IΔN button.

Connect to circuit under test using the crocodile clips

Press start, the unit will display values up to 199.9 M ohms

Prospective Short Circuit Current (PSCC) Loop Impedance (L – N)

Set dial to **RI,PSC** (Switch Pos 4)

(on this setting the unit uses a test current of 4.5 A)

Connect the mains leads or the three-wire lead set to the unit.

Connect to circuit under test

Press start, the unit will displays up to 1999 ohms in the large result field

The PSCC value is displayed in the small result field

Loop testing in circuits without RCD (L – PE) Test includes PFC measurement

Set dial to **RL,Ipsc** (Switch Pos 5)

(on this setting the unit uses a test current of 4.5 A)

On this setting the unit will trip the RCD if one is present

Loop Impedance Testing (without tripping RCD) (L – PE) Test includes PFC Measurement

Set the dial to **RL,Ipsc (FI/RCD) (switch pos 6)**

Connect the mains leads or the three-wire lead set to the unit.

Connect to circuit under test

Press start, the unit will display values up to 1999 ohms

Earth Line Voltage Test

Vc (Uc) RE (switch pos 7)

This test measures the potential voltage in the earth conductor. It is said that when a loop test is carried out, by injecting a current into the earth conductor a voltage could be generated, this shows what voltage could POSSIBLY be generated in the earth path. This is an assumption rather than a measurement.

RCD Testing

Set dial to **tA,tRCD (switch pos 8)**

Select required test current by pressing the IΔN button

Press start, the value for the trip time will be displayed

For 30 mA RCD's, ½ times and 5 times are available, press IΔN to select.

RCD RAMP Test

Set dial to tRCD, VC / Ub (switch pos 9)

This test is to show the current at which the RCD device trips, rather than the speed at which it trips.

Phase Rotation Test (switch pos 10)

Set dial to phase rotation test **L1,L2,L3**

Connect test leads to L1, L2, and L3 sockets on the unit and to the three phases.

The unit will display 1.2.3 for correct phase sequence. If the phase sequence is incorrect the unit will display 2.1.3

To display the voltages between phases press the display button.

We would advise that you read the instruction manual supplied, in particular the section on safety measures.

If you have any queries regarding the operation of this unit, please call our customer support line on 0800 018 9112.