



# T-P22 Low Voltage Cable Fault Locator



- ***TDR Fault Location*** by testing from a single point of connection with minimum dependence on cable records
- ***Travelling Wave Fault Location*** by simultaneous testing from two points to resolve fault location ambiguities on branched cables
- ***Voltage Gradient Fault Location*** with remote interrogation reduces on-site visits and expedites location of intermittent faults

The **Kehui T-P22** has been designed for the location of all types of low voltage cable fault but especially the difficult and troublesome **transient** and **intermittent** fault. It can be controlled locally from a portable PC through a 'wireless' **Bluetooth** link or remotely from a central location via its integral GSM/GPRS modem.

Unlike previously available **TDR** fault locators, the **Kehui T-P22** is connected simultaneously to all 3 phases of the LV cable to allow the local or remote operator to perform **TDR** testing on any combination of phases. Power for the **Kehui T-P22** is taken through the 3 phase test lead.

The **Kehui T-P22** includes a 4 channel transient recorder (3 voltages and 1 current) which is used to acquire information about the exact nature and behaviour of intermittent faults. The signals acquired by the transient recorder are also used to detect voltage distortion and/or over-currents to trigger the **TDR** system. The last 20 triggered events are stored and consist of 10 cycles of AC data together with 16 pre-trigger and 48 post-trigger **TDR** waveforms. Quasi-synchronous **Travelling Wave Fault Location** can be performed using 2, or more, **Kehui T-P22** units. The voltage recordings from 2 or more **Kehui T-P22** units (or **Kehui T-V22** units) can be used for **Voltage Gradient Fault Location**.

By providing total control from a remote location the **Kehui T-P22** can be connected to a faulty cable by field staff who are not necessarily familiar with the analysis of **TDR** waveforms - the expertise in adjustment and interpretation being provided by a centrally located specialist. This becomes particularly beneficial when the equipment has to be left on-site awaiting the (re)-occurrence of an intermittent fault.

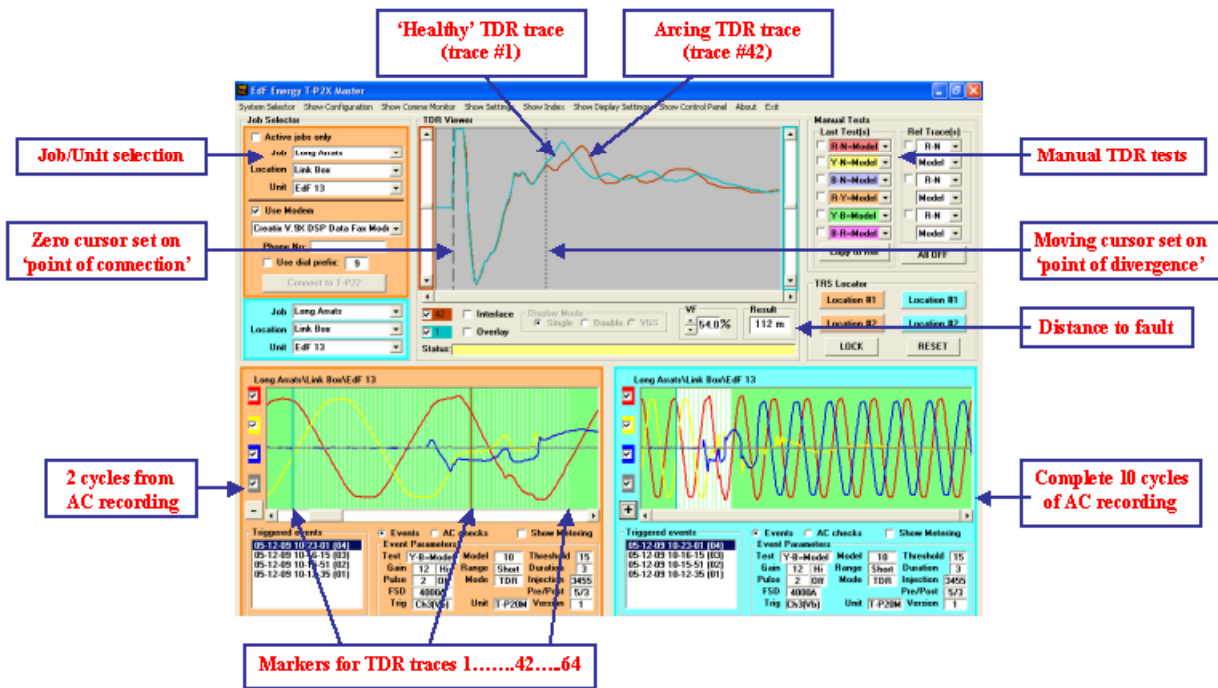
**T-P22 Physical details:**

Dimensions 270mm x 250mm x 120mm  
Weight 2.8 kg

**Standard Accessories:**



**T-P2X MASTER Remote control and fault location software**



**Optional Accessory:**



**Blocking Coil** - fitted with 'Litton' connectors for insertion in series with the REZAP feeder lead to 'isolate' the TDR pulse from the busbar.

**For further information please contact:**

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