T-P23 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-P23** is based on the successful ***Kehui*** **T-P22** of which over 300 are currently in service. Like its predecessor, the ***Kehui*** **T-P23** 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 its internal ***Bluetooth*** transceiver or remotely over the ***Internet*** using its integral GSM/GPRS modem.

The ***Kehui*** **T-P23** 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-P23** is taken through the 3 phase test lead.

The *Kehui* T-P23 includes a 3 channel transient recorder which is used to record the 3 phase voltages of the faulty cable so that the exact nature and behaviour of intermittent faults can be identified. The signals acquired by the transient recorder are also used to detect voltage distortion which triggers the **TDR** system. The last 20 triggered events are stored and consist of 10 cycles of AC voltage data together with 16 pre-trigger and 48 post-trigger **TDR** waveforms. Quasi-synchronous **Travelling Wave Fault Location** can be performed using 2, ***Kehui*** **T-P23** units. The 3 phase voltage recordings *from any mixture* of 2, or more, ***Kehui*** **T-P23, *Kehui* T-P22 or *Kehui* T-V22** units can be used for **Voltage Gradient Fault Location**.

By providing total control from remote locations the ***Kehui*** **T-P23** 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.

Physical details:

Dimensions 240mm x 120mm x 60mm
Weight 1.0 kg

Environmental:

IP65 ABS Housing
IP68 Connectors

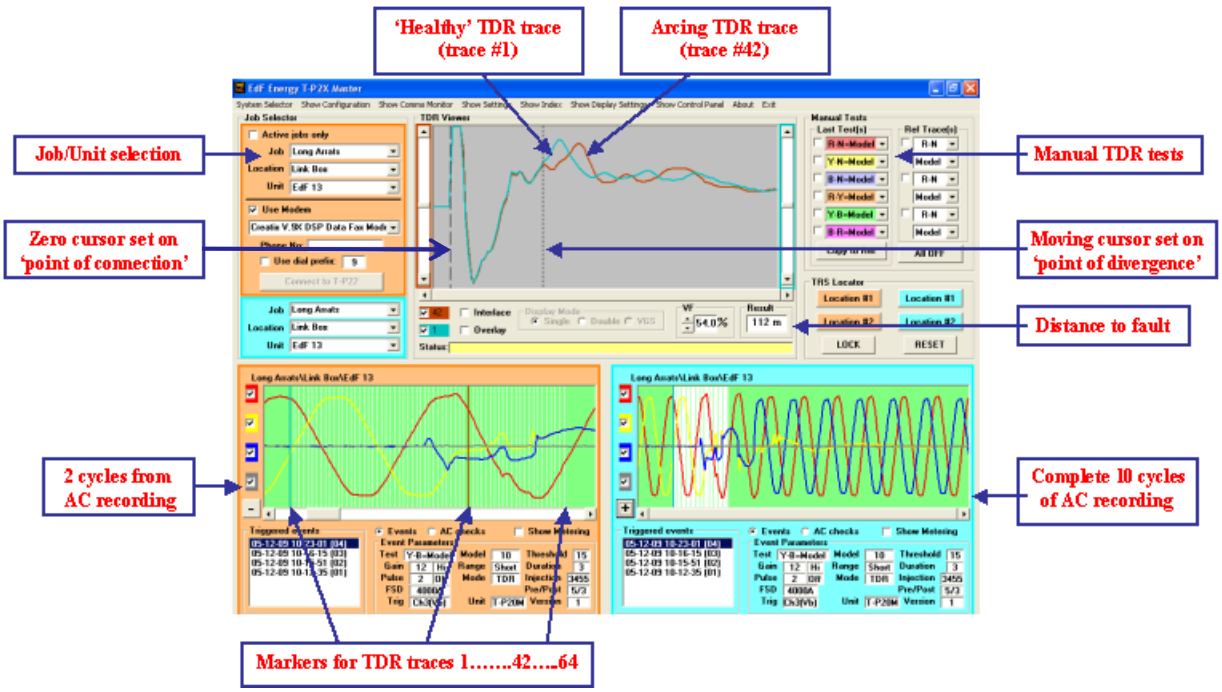
Standard Accessories:


3phase test lead


GSM/GPRS antenna

T-P2X MASTER

Remote control and fault location software



Optional Accessory:

LV Cable Marker provides a means of identifying known points along a cable to simplify interpretation of TDR traces and/or to improve the accuracy of distance to fault determination. The unit is line powered and appears on the TDR trace like an intermittent fault but without interrupting supplies to customers.

For further information please contact:

Kehui (UK) Ltd, Garden Cottage, Sacombe Green, Ware, Herts, England SG12 0JQ Tel: +44 (0)1920 438060 www.kehui.co.uk