



T-V22 Low Voltage Cable Fault Monitor



- ***Faulted Section Identification*** through 3 phase voltage waveform analysis during transitory, intermittent and permanent faults
- ***Voltage Gradient Fault Location*** with remote interrogation reduces on-site visits and expedites location of faults
- ***Power Quality Improvement*** by elimination of “flickering lights” and reduction of avoidable outages

The **Kehui T-V22** has been designed for monitoring and locating **transient** disturbances and **intermittent** faults on low voltage power cables. 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. and is small enough to be installed in most network boxes.

Unlike other low voltage cable fault locators, the **Kehui T-V22** can be connected to **all 3 phases** of an LV cable to provide the local or remote operator with complete information on the nature and behaviour of the fault. Power for the **Kehui T-V22** is taken through the 3 phase test lead.

Voltage recordings from several **Kehui T-V22** units (or **Kehui T-P22 LV Cable Fault Locators**) can be used for **Voltage Gradient Fault Location** - irrespective of the number of phases involved in the fault. The last 40 triggered events are stored in non-volatile memory and contain 2 cycles of pre-trigger data and 8 cycles of post-trigger data.

By providing total control from a remote location the **Kehui T-V22** can be connected to a faulty cable by field staff who do not need to be equipped to analyse the (sometimes) complex voltage waveforms produced by low voltage cable faults - the expertise in interpretation being provided by a centrally located specialist. This is particularly beneficial when the equipment has to be left on-site awaiting the (re)-occurrence of an **intermittent** fault.

Transitory faults are frequently the pre-cursor of a developing **intermittent** fault and can provide early warning of pending problems. Additionally they degrade Power Quality and can cause both industrial and domestic electronic equipment to mal-function. The location of **transitory** and **intermittent** faults is therefore essential to minimise customer interruptions and other power quality complaints.

T-V22 Physical details:

Dimensions: 210mm x 165mm x 90mm

Weight: 1.5kg

Standard Accessories:



3 phase test lead

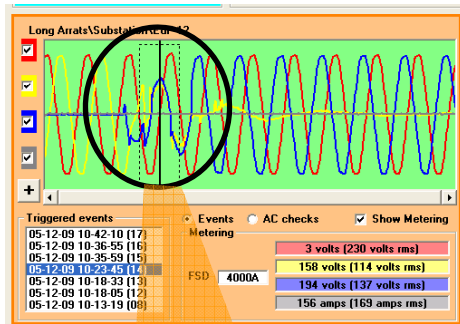


GSM antenna

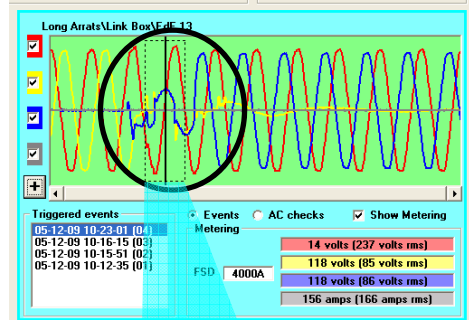
T-P2X MASTER

Remote control and fault location software

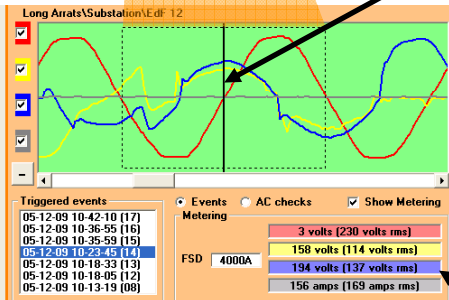
Voltage at substation



Voltage at link box

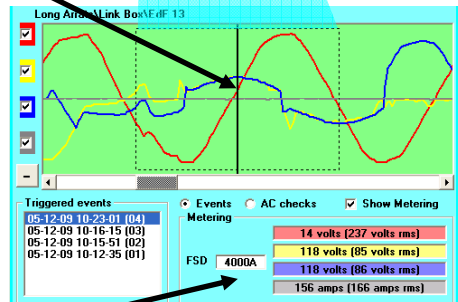


RMS data window



Point on wave markers

RMS data window



RMS and point on wave values

For further information please contact:

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