



T-P23 Low Voltage Cable Fault Locator

The Kehui T-P23 has been designed for the location of all types of low voltage cable fault, without the need to disconnect the customers. If a fault is suspected on an LV cable, due to a blown fuse or customer complaints, the device is connected to the cable at the substation or at an intermediate location, such as a link box. It allows a local or remote operator to perform Time-Domain Reflectometry (TDR) testing on any combination of phases. A 3-channel transient recorder is included 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.

In addition to its use as a TDR, quasi-synchronous Travelling Wave Fault Location can be performed using 2, Kehui T-P23 units. The 3 phase voltage recordings from any 2, or more, Kehui T-P23 units can also be used for Fault Location using the Voltage Gradient method.

By providing total control from remote locations the Kehui T-P23 can be connected to a faulty cable by field staff who are unfamiliar 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.

Features

- Locates all LV cable faults including transient and intermittent faults
- Measurement on live cables without disconnecting the customer
- Local Bluetooth® control from portable PC and Android phone or tablet
- Monitors all three phases simultaneously
- Remote control over the internet using integral GSM/GPRS modem
- Automatic remote notification of trigger and access to records
- Self-powered from the supervised cable, through the test leads

Specifications

Event storage

- The last 20 triggered events
- 16 pre-trigger TDR waveforms
- 48 post-trigger TDR waveforms

Dimensions: 240mm x 120mm x 60mm

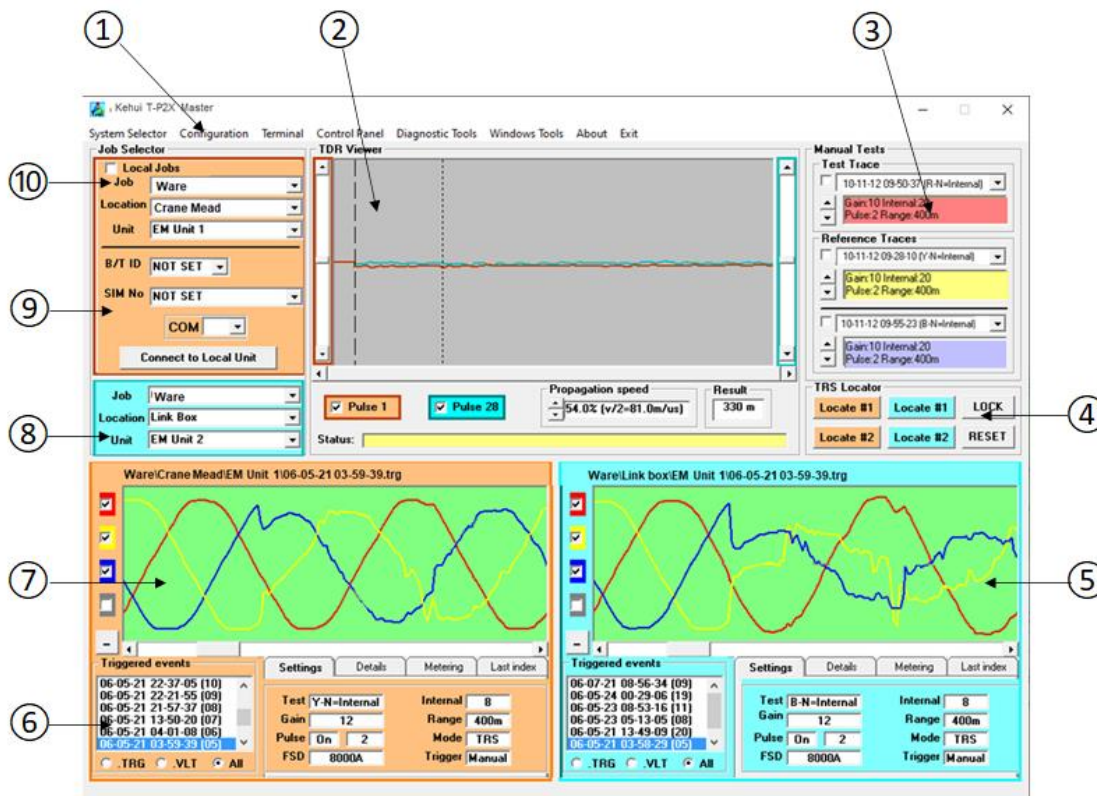
Weight: 1kg

Environmental Protection:

- ABS Housing IP65
- Connectors IP65

Standard Accessories

- Three-phase test lead
- GSM/GPRS antenna
- T-P2X MASTER Remote control and fault location software (see below)



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|-----------------------|-----------------------------|
| ① Menu bar | ⑥ Triggered events list |
| ② TDR/TRS viewer | ⑦ AC waveform viewer |
| ③ Manual test records | ⑧ Second unit selector |
| ④ TRS Locator | ⑨ Unit and Comport selector |
| ⑤ Second event viewer | ⑩ Job selector |

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