



T-602 Audio Frequency Transmitter

T-602 generates a 1kHz audio frequency to inject in to an underground power cable for fault pinpointing and route tracing purposes. It is used in conjunction with the T-505 Pinpointer to precisely pinpoint the position of low resistance faults and to determine the cable path

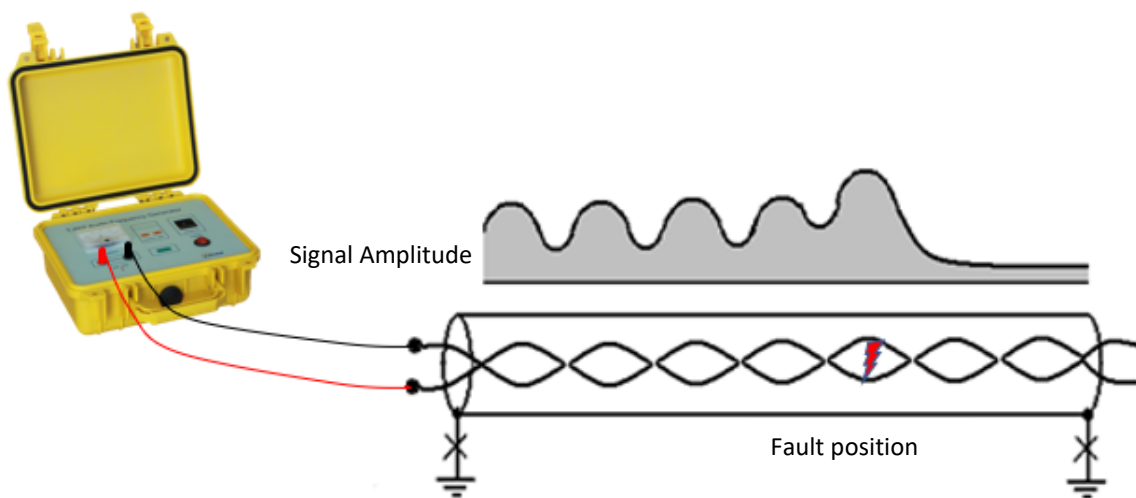
When detecting, T-602 will inject a signal current of 1kHz audio frequency into the cable, and accordingly a magnetic wave of the corresponding frequency will be generated on the cable and a detection coil, such as the Kehui T-505, will collect this magnetic signal, thus obtaining information of the cable fault and the route.

Features

- Powerful audio frequency transmitter up to 20W.
- 1 kHz Frequency, quartz stabilized.
- Potential-free output.
- Output voltage in 7 level
- Continuous and Intermittent working modes

Measuring Circuit

The T-602 applies a high frequency to a cable allowing the position of low resistance faults to be pinpointed by using a measuring coil. To perform the test the device is connected to the disconnected cable, which has had its earth connections removed. The signal passes down the cable to the fault position and return to the transmitter, the twisting of the cores within the cable causes the outward and return signals to interfere with each other in a cyclic manner. The resultant signal disappears beyond the fault point, indicating its precise location.



Specification:

- Output power: 20W
- Max. output current: $2.8A \pm 20\%$
- Frequency: 1kHz Sine wave
- Output impedance: Automatic matching
- Output voltage in 7 steps:
4-7V/15-5V/ 30-40V/ 60-70V/ 90-100V/ 150-170V/ 200-230V
- Power supply: AC 230V \pm 10%, 50Hz \pm 10%
- Operating temperature: - 20 to + 40 ° C
- Dimensions (w x h x d):275 mm x255mm x 130mm
- Weight: 2kg

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