Cable Fault Locator – Model Telemetrics TFL 5

In General, Cable fault locator is otherwise called as TDR meter (Time domain Reflectometer). The working principle of cable fault locator is Pulse Echo Reflection. A TDR measures reflections along a conductor. In order to measure those reflections, the TDR will transmit an incident signal onto the conductor and listen for its reflections. If the conductor is of a uniform impedance and is properly terminated, then there will be no reflections and the remaining incident signal will be absorbed at the far-end by the termination. Instead, if there are impedance variations, then some of the incident signal will be reflected back to the source. A TDR is similar in principle to radar.

Cable Fault Pre-locator TFL 5 is a menu driven microprocessor based designed for easy use. It works on Time Domain Reflectometer principle (TDR/Pulse reflection) of measurement the exact fault location for open/broken circuit and short circuit fault, cross fault, earth fault in any metallic power, telecom, signal and power plastic cables. It is compact, light weight and most suitable for field application. It uses state of the art digital technology for precise location offault in underground metallic and plastic cables. The advanced circuitry utilizes high-speed sampling for better resolution of echo-grams. The equipment incorporates a unique feature of automatic placement of measuring cursor at fault point in auto mode. This makes it totally user friendly and any operator having minimum knowledge can successfully locate the fault

Operation instructions:

Switch ON the meter, connect the probe to the testing cable pair, and press start/Test, automatically readings will be shown in meter.