



TR 3120

APPLICATIONS:

The TR 3120 is a full feature STEP Time Domain Reflectometer. STEP technology has been found to be far superior to pulse technology because it sharply increases rise time from 0 VDC to 1 Gigahertz. This increased rise time allows the user to detect and locate faults within the first inch of the cable under test. The accuracy of STEP technology is further aided by the sampling method which is accurate within a half an inch.

The cable under test is measured as impedance. Any impedance mismatch detected is visible on the TR 3120's waveform. Impedance mismatches are typically caused by opens, shorts, water, flat spots, and known or unknown splice locations in the cable.

The TR 3120 also displays the impedance of the cable at the cursor location. The user can conveniently determine the impedance at any point along the cable. This type of fault locating eliminates the difficulties associated with waveform interpretation.

The TR 3120 can be operated in auto or manual mode. The six menus allow technicians to tailor the unit to meet their specific needs. The menus contain a wide selection of features which include: cable type, zero set, save/recall, print and test modes, auto centering, wave averaging, auto scan, and intermittent find.



FEATURES:

- Return loss displayed in decibels.
- Preprogrammed cable types with set VP.
- Auto or manual mode / Auto scan.
- Auto or manual waveform centering option.
- 2 identification markers.
- Backlight/ Time and date stamp.
- Set zero distance.
- Intermittent find.
- Unit measurement options: feet, meters, or time.
- Wave averaging.
- Zoom option.
- Menu changes possible in test mode.
- Rechargeable battery.

BENEFITS:

- Improves accuracy.
- Displays impedance mismatches and ohm values.
- Identifies return loss anywhere along cable.
- Operates while AC adapter is charging unit.



TR 3120

SPECIFICATIONS

Dimensions	10.75" x 9.75" x 5.0"
Weight	6 lbs., 8 oz.
Distance Ranges	18 to 4800 ft. @ 0.82 VOP
Accuracy Time	±0.01% of setting
Distance	0 to 5000 ft. @ 1.00 VOP
Output	Impedance: 75 ohms
	Voltage: 0.6V open circuit
	Rise time: < 200 picoseconds
	Bandwidth: 1 Gigahertz
Power	Sealed, lead acid battery

DESCRIPTION	PART NO.
TR 3120	3120-5000

Other Products and Accessories

Warranty

Tempo warrants all of its products against defects in material or workmanship for a period of one year from date of shipment. All units returned to the Tempo factory, delivery charges prepaid, and deemed defective under this warranty, will be replaced or repaired at Tempo's option. No other warranties are implied, nor will responsibility for operation of any instrument be assumed by Tempo.

