



TSE 7509
TDR Multi-Channel Cable Detector

TSE 7509 TDR Multi-Channel Cable Detector

DESCRIPTION

The TSE 7509 is a cable fault locator, which was constructed for all measurements of symmetric and coaxial cables. For these tasks, it comes with two different inputs. The operation can easily be carried out by pressing only a few buttons. By using the built-in RS.232 interface and the additional delivered software "Wave-View" all curves visualized in the display can be downloaded to a PC.

USAGE

The TDR can quickly, safely and reliably locate the following cable defaults:

- Disconnections
- Illegal wire tapping
- Short circuits
- Alteration of impedance
- Change of pairs
- Return loss
- Intermittent faults



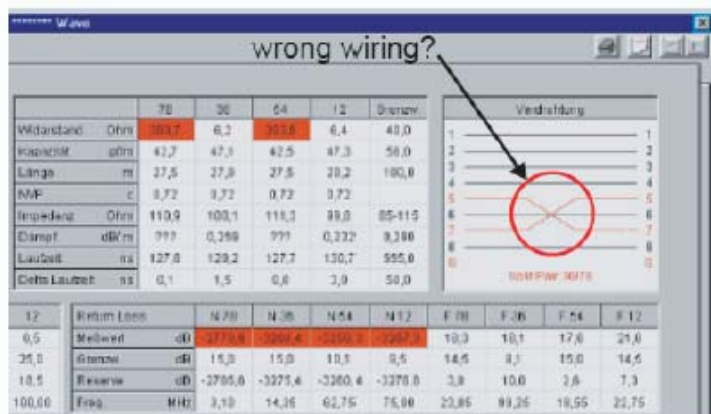
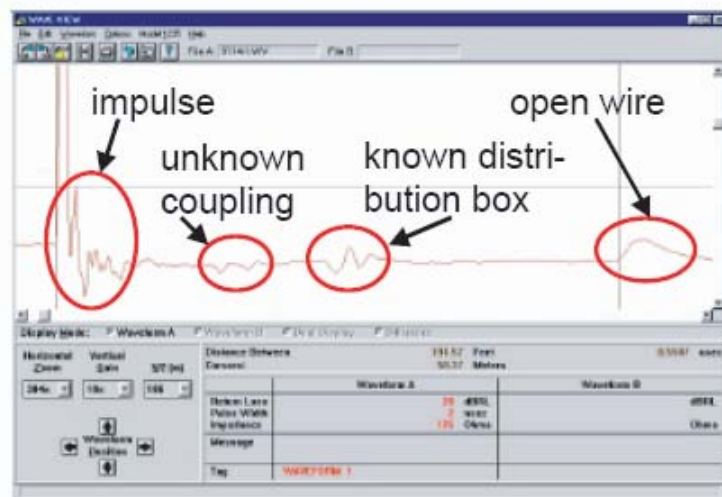
FEATURES

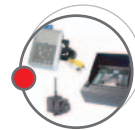
- Tests both twisted pair and coaxial cables
- Superior fault location in any industry and any application
- Sub-nanosecond pulse width in coaxial mode locates small, often unsuspected, faults that are close together
- RANGE-PLUS simplifies keypad operation by combining a specific pulse width, vertical gain, and cable length
- Live waveform testing
- Intermittent Fault Detection mode detects and displays intermittent faults and allows the operator to manipulate and reposition the waveform without affecting the IFD function
- Noise filters eliminate unwanted waveform noise
- Rugged, weatherproof packaging
- Portable Compact, lightweight.

TECHNICAL DATA

Measurement range:	10 m to 19.4 Km
Pulse width symmetrical:	2ns, 25ns, 100ns, 1ms, 6ms
Pulse width coaxial:	0.9, 5, 25, 100, 500 ns
Precision, symmetrical:	+/- 0.15m + 0.01 % v. MW
Precision, coaxial:	+/- 0.03m + 0.01 % v. MW
Max. resolution:	0.1 m at v/2
Handling:	One function per button
v/2 adapting:	m/ms from 48 to 148
Adapting:	various
Waveform storage, standard:	8 waveforms
Waveform storage, optional:	32 waveforms
Input protection:	400 volts (AC + DC) from DC to 400 Hz and decreases to 10 volts at 1 MHz
Serial I/O port:	RS-232

Display:	320 x 240 dot matrix liquid crystal display (LCD) with CFL backlighting
Power source:	internal, rechargeable 7.2 nickel metal hydride
Charging source:	external 12 VAC, 1.3 A
Operating time:	> 6 h continuous without backlight
Operating temperature:	32 dF (0°C) to 122 dF (50°C)
Typical temperature:	5 dF (-15°C) to 140 dF (60°C)
Storage temperature:	-4 dF (-20°C) to 140 dF (60°C)
Humidity:	95 % max. relative humidity non condensing
Dimensions (W x D x H):	9.75 in x 5 in x 10.5 in 247.6mm x 127mm x 267mm
Weight:	6 lb (2.7 kg)





If you would like further Information about ELAMAN,
or would like to discuss a specific requirement or project, please contact us at:

Elaman GmbH
German Security Solutions
Seitzstr. 23
80538 Munich
Germany

Tel: +49-89-24 20 91 80
Fax: +49-89-24 20 91 81
info@elaman.de
www.elaman.de