

T 3090
T 3090 T
T 3090 SX
T 3090 SX-T

Megger[®]

Digital Time Domain Reflectometer



*Upgrades &
Up- / Downloads
with Memory Stick
...only one in the industry*

*...the TDR with Windows CE[®] embedded software
for true Windows[®] software style operation*

Technical Specifications T3090, T3090 T, T3090 SX, T3090 SX-T

Using a radar to pre-locate faults will save time and reduce cable damage. The **T 3090** is designed to be most user-friendly radar on the market! Advanced features include One Button Operation, Automatic Gain and a Large Color Screen. The T 3090 will automatically 'read' the cable end and display the fault distance with a single thump. Our interactive '**Step-By-Step Easy Mode**' will help train (or re-train) the occasional user **while he is on the job!** The optional '**Sectionalizing Mode****' will quickly sectionalize faults in loops or radial systems.

Measuring Range (ft, m , m sec or NVA)

Continuously from 0 ft to 25,000 ft

X Models 0 ft to 100,000 ft***

Fault Locating Methods

ARM® (HV Arc Reflection Mode)

Surge Pulse (optional, T 3090 SX models)

Sectionalizing (optional, T3090T models)

LV TDR (use for secondary fault locating)

Pulse Width:

Automatic with range selection or manual
50 ns, 100 ns, 200 ns, 500 ns, 1µs,
2 µs, 5 µs, 10 µs

Pulse Shape:

special pulse shape for high resolution

Sampling Rate: 100 MHz

Accuracy:

<= 2.5 feet depending on displayed range

Screen:

High Brite 1200 nits 10.4" diagonal
VGA Color TFT LC-Display,

Velocity of propagation:

Via cable menu or manual between
140 ft/µs ... 492 ft/µs (also in m/µs)

Display Choices:

live trace always visible,
stored reference & fault trace

Up to 10 superimposed traces visible on
display for comparison

Weight / Dimensions: 17lbs, 11" x 15" x 6"

Operator Men Styles:

Quick Steps® Style Menu

Automatic fault distance location
Automatic "short" or "open" assessment

Step-by-Step Easy Style Menu

Unique real time on screen tutorial for :
***fault locating – hipot – pinpointing – burning
for all HDW & some competitor's thumpers***

Expert Style Menu

NOTE: user can custom configure and pass -
word protect the specific TDR features available
in each of the 3 menu styles (22), depending on
the experience & skill level of the operator

Optional Fault locating Programs

Sectionalizing

Automatic sectionalizing in loops, identifying
cable fault between 2 closest transformers

Surge Pulse

fault locating with TDR as transient recorder

Convenient Features:

PC Communication:

Upgrade & Up & Download via USB Port

Power Requirements:

115 V / 230 V, 50 / 60 Hz

Operating Temperature:

-5 F to 105 F (-20 °C + 40 °C)

*ARM® is a Trademark of HDW Electronics, Inc.

Quick Steps® is applied for Trademark by HDW Electronics, Inc.

** Sectionalizing, Patent No.US 6,683,459 B2

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