

RapidTrace 1200

Graphical TDR/Cable Fault Locator



Vonaq's RapidTrace 1200

Is a feature rich handheld Time Domain Reflectometer. It has been designed to ensure accurate, efficient and rapid (hence the name) cable fault locations at short and long distances.

The RapidTrace allows user to find opens, shorts, splices, bridge taps, splits/re-splits, wet splices, frayed cables, water ingress, taps and splitters in seconds.

Some of the key benefits and features of the RapidTrace are:

Suitable for testing all Communication cables including telecom, Cat (3-6), Power Cabling, Coaxial and Mains Power cabling

- ▶ The RapidTrace has a 11 measurement ranges from 0.5m to 6000m (6km) and is accurate to 1%. 25,50,75,& 100ohm cable impedances can be selected
- ▶ Memory capacity - Store up to 50 saved traces
- ▶ Historical data can be uploaded to the RapidTrace 1200 for comparison with current measurements
- ▶ Using pre determined gain and pulse width and with only 5 control buttons, all major operating and setting parameters can be easily accessed
- ▶ Built in Tone Generator for Pair Tracing/Identification

- ▶ The USB 2.0 interface with Windows compatible software "TraceXtra" gives the user an option to download and analyse saved traces to a windows PC
- ▶ The USB interface also allows the user to upload saved traces from PC hard disk to the unit
- ▶ 3 YEARS WARRANTY

So if you are a:

- ▶ Telecommunication's Company responsible for large phone/data cable runs
- ▶ Data/network cabling installer
- ▶ CCTV/Satellite TV (Coaxial cable) installer
- ▶ Electrician or responsible for any other types of metallic cable installations

The RapidTrace 1200 is the cable fault locator for you.

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Here we can see the gain control to provide a clearer view of the trace



The trace comparison feature allows users to compare saved traces with a live trace



The rapidtrace stores up to 50 traces at one time and records the time and date of each trace performed



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SPECIFICATION

- ▶ **Ranges:** Meters 7, 15, 30, 60, 120, 250, 500, 1km, 2km, 3km, 6km
Feet 23, 49, 98, 197, 394, 820, 1640, 3280, 6560, 9850, 19000
- ▶ **Range Selection:** Manual range control
- ▶ **Accuracy:** 1% of selected range*
- ▶ **Resolution:** Approx 1% of range
- ▶ **Sensitivity:** Min 3 pixel return at 4km on 0.6mm Ø, PE, TP
- ▶ **Velocity Factor:** Adjustable from 1% to 99% or Feet Meters / Micro Second

- ▶ **Output Pulse:** 5 volts peak to peak. Into open circuit
- ▶ **Output Impedance:** Selectable 25, 50, 75 & 100 ohms
- ▶ **Output Pulse Width:** 3 ns to 3 ms, Automatic with range
- ▶ **Scan Rate:** 2 scans / second or scan held
- ▶ **Memory Capacity:** 50 Traces
- ▶ **Tone Generator:** 810 – 1100Hz
- ▶ **Battery Life:** 60 hours continuous scanning
- ▶ **Power Supply:** 6 volts 4 x 1.5 AA Alkaline cells
- ▶ **Power Down:** Selectable 1, 2, 3 minutes or disabled
- ▶ **Back Lit Display:** 128 x 64 pixel
- ▶ **Voltage Protection:** 250 volts AC
- ▶ **Operating Temperature:** -10° / 50°C
- ▶ **Storage Temperature:** -20° / 70°C
- ▶ **Dimensions:** 165 x 90 x 37 (6.5 x 3.5 x 1.5 ins)
- ▶ **Weight:** 350 gms (12oz)
- ▶ **Safety:** IEC 61010-1
EN 60950

- ▶ **EMC:** BS/EN 61326-1
- ▶ **Water/Dust Proof:** IP54

** Measurement accuracy of $\pm 1\%$ assumes the instrument setting for velocity of propagation (V_p) of the cable under test to be accurately set, homogeneity of the V_p along the cable length, and accurate cursor positioning.*



The logo graphic features a central stylized 'V' shape composed of three curved segments: a black one at the top, an orange one on the left, and another orange one on the right. Each segment has a small black sphere at its end. This central graphic is surrounded by a large, light-colored circular arc that is split into two segments, one light grey and one light orange, with a white sphere at each end.

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