

PRODUCT DESCRIPTION

The PTS Pair Tracing System comprises the PTS 200 Tone Generator and the PTS 100 Probe in a □oven polyester carrying pouch. The System is designed to provide an easy to use and cost effective means of tracing □ire pairs.

PTS 200 Tone Generator

The PTS 200 may be connected via the modular plug or the croccolle dips to the pair under test. Depending on the $s = t^2$ to the position the Tone Cenerator t^2 the PTS 200 can be used on t^2 to the position the Tone Cenerator t^2 the PTS 200 can be used on t^2 to the pair t^2 to the PTS 200 can be used on t^2 to the t^2 to the PTS 200 can be used on t^2 to the PTS 200 can be used on t^2 to the PTS 200 can be used on t^2 to the PTS 200

PTS 100 Probe

The PTS 100 Probe has a built-in loudspeaker to make it easy to hear the tracing signals and a near/far sensitivity adjustment to allo \Box both broad searches and pinpoint identiwation of \Box ires. To operate just press the button on the top and adjust the sensitivity control to hear the tone generated by the PTS 200.



HATURES

- Fast, Accurate Wire Identiwcation
- · Sends Tone to Identify Wires
- Polarity Indication
- · Continuity Test
- Adjustable Volume Control
- Easy to Operate
- 2-Line Modular Test Lead
- · Rugged Industrial design
- Water Resistant

PTS 100 Output Probable Cause

No Tone Wrong cable or a complete cable disconnection or

Tone Generator is disconnected

Tone on one □ire One wire disconnection

Quiet on one \square ire, loud on the other Hgh resistance fault on low level (quiet) wire

Po□er hum on pair □ith tone Earth (ground) fault on one or both wires

Po□er hum only Disconnection and earth fault

Noise □ith tone Crosstalk (severe cable fault) or earth fault

Can't kill tone by shorting the pair One wire disconnected or split pair or

high resistance fault on one wire

Continuous tone Dying battery on the oscillator

Hss from adjacent pair ISDN or other digital service or base-band modern transmission

PTS Pair Tracing System

SPECIFICATIONS

PTS 200

Hectrical:

Output Po□er (into 600Ω): -3dRm+3dR 1004Hz±100Hz Output Frequency (nominal):

S□eep Pate: 6Hz Voltage Protection (into a 600Ω Grouit): 60VDC

Power Source:

1 x 9V Battery: Battery Life (nominal): 290 hours

Environment:

Operating Temperature: 0°Cto 50°C Storage Temperature: -20°Cto +60°C Relative Humidity: 0 - 90%

Physical:

Length: 125mm Width: 33mm Depth: 23mm Weight: 0.13kg Warranty: One Year

PTS 100

Bectrical:

30dB Gain Range: Input Impedance: 100ΜΩ Frequency Pange (approx): 500Hz-1200Hz

Power Source:

Battery: 1 x 9V

Battery Life (nominal): 15 to 25 hours

Environment:

0°Cto50°C Operating Temperature: -20°c to +60°C Storage Temperature: Relative Humidity: 0 - 90%

Physical:

Length: 210mm Width: 32mm 42mm Depth: Weight: 0.13kg Warranty: One Year

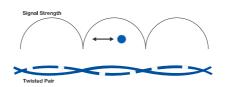
PAIRTRACING

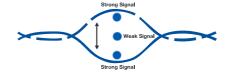
Connect the Tone Generator to the pair to be traced. Check that the tone is being sent before leaving the oscillator. PTS100 Probe detects the electrostatic weld around the Dire pair and outputs it to the integral speaker after when after when interference. In most circumstances the lo sensitivity setting Ill ork Ill but if the signal is leak or noisy then choosing the higher sensitivity setting may help.

Hacing the probe alongside the pair gives a strong signal except □here the □ires cross. Here there should be a noticeable null. Move the probe back and forth along the □ire to conwm this.

Racing the tip in the centre of an opened t □ist of the pair should give a minimum signal. If it does not decrease, suspect a split pair (t □ o □ ires from different pairs) or a faulty pair one □ ire broken or high resistance.

Shorting the pair should cause the signal to completely disappear or fall to a very lo□ level. This veriwes that you have the right pair.







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