

Countermeasures

TCM-03 Cable Checker



The Audiotel TCM-03 cable checker provides a highly effective means of testing cables and wires for the presence of illicit eavesdropping devices. The vast majority of sensitive areas in which confidential conversations take place have wires and cables passing into, through or near them. These cables are for telephone use, AC power, security alarms, public address/paging, intercoms and so on. By modifying existing cable the eavesdropper can from a safe location listen to conversation in the sensitive area.

The TCM-03 is a general purpose cable checking system used to test wiring for evidence of an eavesdropping operation. In addition, the TCM-03 can be left connected to a cable for real-time protection against eavesdropping devices that are remotely controlled or timed. An integral tone generator can activate single-tone remotely controlled eavesdropping devices. It has a volt meter for measuring significant electrical disturbances to telephone lines caused by the connection of a telephone tap. An audio level sensitivity indicator illuminates whenever audio signal levels exceed a user-set threshold. This used real-time will indicate the remote activation of a listening device on a cable. An automatic tone generation mode can be used to jam voice activated telephone taps.

The TCM-03 also has a telephone 'off-hook' indicator to show unauthorised use of the telephone line and outputs for audio to enable tape recording of signals.

Sensitive amplifier with input attenuator and gain control for optimum amplification without distortion

Automatic Carrier Receiver

Tone generator for activating single tone controlled devices

Voltmeter

Isolated power source for activating dormant microphones

Real time detection of remotely controlled devices

Operation

The following tests are made:

- Check for audio signals on cable under test
- Check for audio signals whilst providing power
- Activate any single-tone remotely controlled device using the tone generator
- Check for low frequency carrier signals

Controls and Indicators

Front Panel:

ON/CHARGE
DC VOLTS Range 0.1 Volt to 199.9 Volt.
OFF-HOOK
TONE- Varies the frequency of tone generated
AF GAIN
CARRIER output
A/TONE tone generator
VOLUME and headphone socket

Rear Panel:

AUDIO ATTENUATOR Maximum attenuation is 60dB.
LINE INPUTS
AUDIO OUTPUT
VOX
'V-SENSE'
AC input socket
CARRIER PAIR SELECTOR

Order Number:

203-003 TCM -03 Cable Checker

Tel: 0536 66677 Fax: 0536 66711
Telex: 341775 Audint G



Audiotel International Limited, Cavendish Courtyard, Sallow Road, Corby, England NN17 1DZ