
Commercial Insertion Test Equipment

TS-202 DTMF Generator

In the cable television commercial insertion environment, if an advertisement doesn't run, the cable system or commercial insertion company loses money. Several electronic devices are used to deliver commercials over a cable television system and failure or intermittent operation of any of these will produce lost revenues.

Typically, troubleshooting involves swapping equipment around to try to find the problem. This can be a time consuming process often resulting in lost commercials, both on the network where



the original problem occurred and on the network from which the equipment was "borrowed" for troubleshooting. If equipment isn't available to swap, if the problems are intermittent, or if the technician needs to drive back to his office to obtain equipment, additional time and revenues will be lost.

Fox Electronics has portable, low cost test instruments to reduce lost revenues, minimize troubleshooting time, enable the technician to quickly find faulty equipment, and eliminate the need to swap components. In addition, these instruments can be used in the studio to edit and verify control tones on commercial insertion tapes or to set audio and video levels in the cable headend.

The TS-202 generates a DTMF input to test the commercial inserter input or encode videotapes. Unlike other tone generators, the TS-202 generates a timed tone burst identical to those used by the networks and enables you to set the output level of the tones, allowing you to test the full cue input range of the commercial inserter. In addition to timed bursts, you can also generate tones as you push individual keys on the keypad. The TS-202 also stores up to ten tone sequences for later retrieval and transmission.

The features of the TS-202 include:

- Hand-held injected molded case.
- 600 ohm balanced output.
- Can be used to encode tones onto videotape in the production studio.
- The user selects the DTMF tones and output level on a keypad, then presses the transmit key.
- Generates tones at the standard 50 msec interval or as you push keys on the keypad.
- Sequences of up to eight DTMF tones can be decoded.
- The last tone sequence and level remains in memory until new parameters are entered.
- Stores ten tone sequences for later retrieval from memory.
- GPI interface to transmit tone sequence stored in memory position one
- AC adaptor and low battery indicator included.

Specifications*

Audio Input Impedance:	600 ohms, balanced
Output Termination:	600 ohms, switchable
Audio Connector:	Phoenix terminal strip
Data Connector:	RJ-11
GPI Interface Connector:	3.5mm mini phone jack
Power Connector:	3.5mm mini phone jack

*Specifications are subject to change without notice.

NOTES:

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