



Radio Frequency Tester Model FT-1

- Tests for RF interference on MegaCode-based access control panels, receivers, and garage door operators.
- Compact and lightweight with battery save feature.
- Built-in speaker lets user hear what receiver hears.
- Special tone simplifies transmitter testing.
- Visual LED indication to confirm interference.

The FT-1 is a portable radio frequency (RF) tester that provides a simple solution to what is acknowledged as the most difficult part of a radio system installation — locating RF interference. It assists installers in setting up and servicing any of Linear's MegaCode format radio products, including Linear's access control panels, MegaCode receivers, and garage door operators. It is an essential item in a dealer's standard tool kit to assist in identifying RF interference.

(Its compact size enables it to fit in a shirt pocket or to be clipped on a tool belt.) Portable and battery-powered, the FT-1 has a battery saver (sleep mode) circuit that turns the unit off after 10 minutes of inactivity.

The MegaCode format uses a frequency of 318 MHz, features over one million radio codes to all but eliminate any possibility of code duplication, and enables easy programming via the radio's learn mode.

A built-in speaker on the FT-1 broadcasts precisely what a MegaCode receiver is hearing.

A special tone sounds when a valid MegaCode transmitter is decoded, enabling easy testing. An LED provides visual indication of the reception of an interference signal; it operates in the same manner as the radio LED on Linear access control panels, MegaCode receivers, and MegaCode based garage door operators.



General Specifications

OUTPUTS

Speaker: provides an audible indication of RF activity; beeps to indicate decoding of a valid MegaCode radio transmission

Radio LED: provides visual indication of RF activity

Power LED: indicates when unit is on

INPUTS

RF: integral 318 MHz super regenerative receiver @ -94 dBm sensitivity (nominal); decodes MegaCode transmitters

On/Off/Volume: rotary switch used to turn on and off unit; adjusts speaker volume

Decode “Beep” Volume: adjusts volume of beep that is heard when the FT-1 decodes a valid MegaCode transmitter

Reset Switch: brings FT-1 out of sleep mode

POWER

9 VDC (battery included)

OPERATING TEMPERATURE

-22°F to +170°F (-30°C to +77°C)

DIMENSIONS

2.5 in W x 5.75 in H x 1.25 in D (64 x 146 x 32 mm)

STANDARD EQUIPMENT

FT-1; field test unit for MegaCode radios found on MDRs, Linear garage door operators, Linear access control systems; includes 6-1/2 inch whip antenna and 9V battery

The logo for Linear Corporation, featuring the word "Linear" in a bold, blue, sans-serif font with a registered trademark symbol (®) to the right.

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