



Micro Tech - Group Inc.



Micro Tech Instruments

MICRO TECH MODEL 710 INTERFERENCE LOCATOR



The new Micro Tech Model 710 Interference Locator is a rugged, wide-range, portable instrument designed especially to meet the needs of electric utilities concerned with the detection and location of sources of RF or TV interference. Special attention has been given to the design details which contribute to the reliability and convenience of its use.

The Micro Tech Model 710 Interference Locator is designed for utility and cable TV personnel including linemen, metermen, troublemen, and anyone wanting to efficiently and quickly locate sources of power line interference. The Model 710 Interference Locator from Micro Tech Mfg. Inc. simplifies and speeds the detection of AM, FM, and TV broadcast frequency interference sources.

Micro Tech Mfg. Inc. is the principal source for interference locators with over 30 years experience in the design, development, and manufacture of this type of equipment. Most electric utility operations attempt to maintain good relations with those who are in its operating area. The elimination of noise sources along the power line is important. Many faults in electric maintenance and construction will radiate RF noise before an actual failure occurs. Finding these faults in the beginning stages saves time and money. Failure to locate and solve these faults early will result in more serious problems at a later time. The Model 710 Interference Locator has been designed specifically for locating gap and sparking type noise sources on distribution and transmission lines.

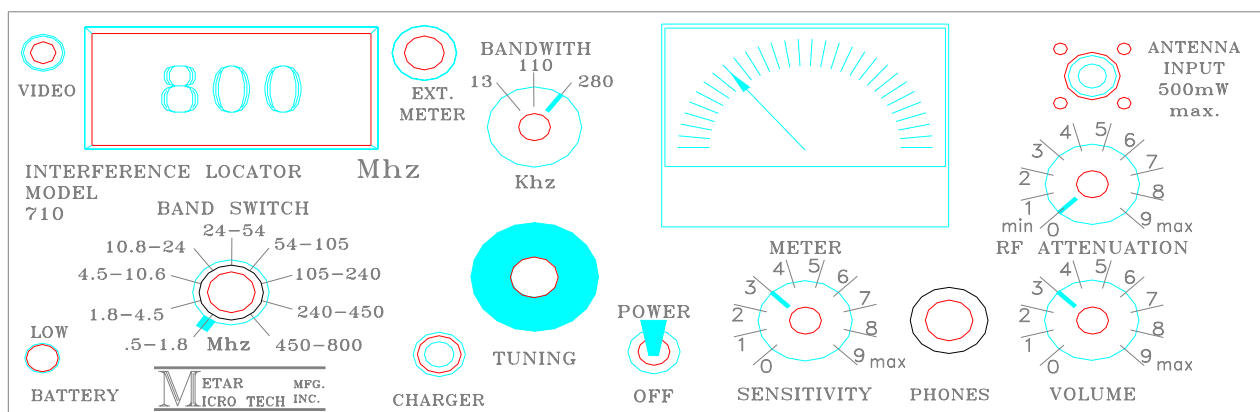
Special Features:

- * Tunes 500 Khz to 800 MHz in (9) nine continuous tuning bands.
- * Light weight. Only 7 pounds, including the internal battery pack.
- * LCD Frequency Tuning Display.
- * Three position bandwidth switch used for additional filtering when an area is filled with various RF signals.
- * Self-Contained Rechargeable Battery Pack. Lead acid battery pack will not develop a memory like Ni-Cad battery packs.
- * High dynamic range analog signal strength meter.

- * Rugged and mounted in a sturdy, compact, blue-finished metal case.
- * Meter Sensitivity control is adjustable to allow the received signal to produce less than a full-scale deflection on the meter. Weaker noise sources can be adjusted so that the meter recognizes weaker noise sources. This also controls the amplitude of the video signal at the VIDEO jack on the front panel.
- * Video Jack is provided so that the received signal may be observed on an oscilloscope.

The Model 710 Interference Locator is engineered with special circuitry to provide an instrument which is ideally suited for interference location purposes. The operating controls and procedures for using the Model 710 Interference Locator have been designed for ease of operation. The frequency range of 500 KHz to 800 MHz covers standard broadcast, short wave, FM and VHF/Cable television bands.

500	Khz	to	1.8	MHz	1.8	MHz	to	4.5	MHz
4.5	MHz	to	10.6	MHz	10.8	MHz	to	24	MHz
24	MHz	to	54	MHz	54	MHz	to	105	MHz
105	MHz	to	240	MHz	240	MHz	to	450	MHz
450	MHz	to	800	MHz					



Other Features:

- * Size 4 1/4" High x 10 1/8" Wide x 9 1/2" Deep including controls and under cabinet feet.
- * Low Battery Indicator Light/ Shut Off Circuit. This will activate in order to prevent the battery pack from being destroyed when it is in need of obvious charging.
- * RF Attenuation knob is provided for use in instances where the noise source is so tremendous that raising the RF Attenuation allows the operator to get closer to the noise source.
- * The 710 Locator is shipped with a Model 546 Rod Antenna, a Model 552 Carrying Strap, and a Model 550A Battery Charger.
- * The 710 Compact Kit is shipped with (1) 523A Carrying Case, (1) 546 Rod Antenna (1) 550A Battery Charger, (1) 552 Carrying Strap, (1) 554 Magnet Roof Mount Whip Antenna.
- * Audio output is provided by a speaker and an optional set of headphones.
- * Safety Battery Charger with LED in Fast and Trickle Mode. It charges the battery pack in a fast charge mode and automatically steps to a safe trickle current as the battery becomes fully charged.
- * Meter Jack is provided for the remote operation of the remote meter for use on the dash of a vehicle.

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