

# RF Leakage Detection Receiver

AUGAT



## Features

- Minimum detectable signal - 86 dBmV from a 75 Ohm source
- Rechargeable Gel-Cel battery - 50 hours on one charge
- Push-button battery indicator
- High impact aluminum case with removable shoulder snap

## Description

The Model TR-1 Tracer is a compact, calibrated RF leakage detection receiver specifically designed to detect RF leakage from CATV systems. The receiver's high sensitivity and calibrated logged meter scale provide a simple means for locating signal leakages and for determining whether radiation complies with FCC regulations.

The calibrated dual-scale meter indicates relative field strength and maximum allowable distance. This maximum distance scale is calibrated to the FCC specifications for leakage from a coaxial cable in the 54-216 MHz region. The 0 dB point on the relative field strength scale indicates the maximum allowable leakage when measured at a distance of 10 feet from the cable.

The Tracer can operate with any one of the standard TV video carriers. This eliminates the need for a special transmitter.

The receiver emits a recognizable audio tone when leakage is detected, allowing for unmistakable broadband system checks.

The Tracer's local oscillator (L.O.) is crystal-controlled, enabling the receiver to have a narrow bandwidth and maximum sensitivity. A fine-tuning adjustment is provided to compensate for any long-term drifts of the L.O. frequency.

Standard equipment: dipole antenna with magnetized base, cigarette lighter plug, wall mount charger, battery, carrying strap, near-field probe, 10' cable lead, headset, truck mounting bracket, tuning tool, 8 dB and 20 dB attenuator pads.

## Specifications

Frequency	50 to 300 MHz crystal oscillator
Local oscillator	$\pm 4$ kHz
Meter display	linear meter scale, from -20 to +20 dB
Frequency accuracy	$\pm 4$ kHz frequency ADJ control
Level accuracy	$\pm 1$ dB
Size	8" x 5" x 6" approx.
Weight	5 lbs. approx.
Power sources	internal/external 12 Vol.6t; AC charger/adaptor
Battery life	maximum life (1,500 to 2,000 cycles) based on 20 hours use between charging