

SIGNAL LEVEL METERS

TR-2

Installer's Signal Level Meter

- **Lightweight**
- **Simple to Use**
- **Long Battery Life**
- **Cost-effective**



OVERVIEW

The TR-2 from XFTP by Trilithic is an economical solution ideal for your basic HFC installation needs.

This simple to use meter provides fast and efficient measurements including: signal level measurement, Tilt measurement to balance your system, carrier-to-noise measurements, a voltmeter function and features an extended battery life.

Weighing in at under one pound, this simple to use, rugged little meter has a durable plastic shell and is convenient for one hand operation.

The TR-2 comes ready to use with the standard NCTA channel plan and includes a carrying strap, charger, user's manual, spare F-connector and a one year warranty.

MEASUREMENTS:

Single Channel Mode displays the Video level of the selected channel in the channel plan and also displays the frequency and $\Delta V/A$.

Single Frequency Mode displays the frequency and level of the audio carrier for the selected channel. Audio is automatically enabled in this mode. The TR-2 can be manually tuned to any frequency (46 - 864 MHz) in steps of 50 kHz, 100 kHz, 1 MHz, 10 MHz, or 100 MHz.

Voltmeter Mode displays the battery voltage and trunk voltage (AC or DC)

Dual Channel Mode displays the video levels of any two selected channels in the plan and at the push of a button displays Tilt between those channels.

Tilt mode displays the video level of the first channel in the dual channel mode and the level difference (tilt) between two channels.

C/N Measurement displays video level and performs Carrier to Noise measurement on the selected channel for levels greater than 25 dBmV.

SPECIFICATIONS

Frequency:

Range: 46 MHz - 864 MHz
Frequency Steps: 50 kHz, 100 kHz, 1 MHz,
10 MHz, 100 MHz

Level Measurement:

Range: -30 to 60 dBmV
Accuracy: ± 2 dB ($20^{\circ}\text{C} \pm 5^{\circ}\text{C}$)
Resolution: 0.5 dB

Carrier- Noise Ratio (C/N):

Range: 20 dB to 50 dB
Input Signal Range: ≥ 25 dBmV
Measure Accuracy: ± 2.5 dB ($20^{\circ}\text{C} \pm 5^{\circ}\text{C}$)
(shut off the carrier)
Resolution: 0.5 dB

Voltage:

Input range: 1 to 100 V (AC/DC)
Accuracy: ± 2 V
Resolution: 1V

Miscellaneous:

Dimensions: 169 mm X 71 mm X 41 mm
(excluding RF connector)
Weight: 0.85 lbs. (386g)
Display: LCD with backlight
Working Temperature: -10°C to 40°C
Audio: Built-in speaker
(auto on in SINGLE FREQUENCY mode)

Battery:

Built-in Battery: 3.6 V / 2.1 AH Ni-MH battery
Work Time: More than 6 hours (full charged
battery without audio and LCD backlight).
Charge Time: 10 - 12 hours
(power off the meter)