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# CT-DLM870D Digital / Analog Signal Level Meter

## Features:

- Direct input by frequency from 55.25 MHz - 865.25 MHz
- Direct input by channel number
- DVB average power measurement.
- Measures QAM 64/256, DVB-C, BER & MER
- Simultaneously displays video carrier and audio carrier strength, and V/A measurement
- Switchable between dBmV and dBμV
- Tilt measurement of three user definable channels
- Carrier-to-noise ratio measurement
- Trunk voltage measurement
- Large 2 5/8" x 1 3/4" dot matrix LCD display with back light
- Battery powered handheld model with internal NiMH battery and included charger
- Rugged, compact and mobile rubber jacketed housing
- Battery life ≈ 5 hours



## Description:

The CT-DLM870D is a handheld signal level meter is designed to provide the most valuable features at reduced cost. It performs fast and efficiently to take carrier amplitude measurements. It can also take the direct power measurement of DVB signals. This unit simultaneously displays video carrier, audio carrier strength, V/A measurements, Tilt measurement, C/N measurement and Trunk voltage measurement. This unit is perfect for balancing digital QAM and analog headend systems, reading digital off air signal levels, troubleshooting RF distribution systems and taking measurements at individual drops. With the ability to read individual audio and video carriers along with line voltage and carrier to noise levels, the CT-DLM870D is perfect for all levels of installers and technicians.

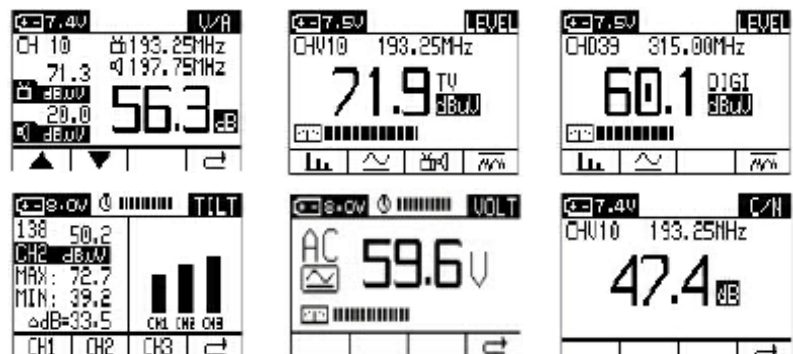
The full-scan option and spectrum option provide the ability to view the carrier amplitude in a full-span display and spectrum analysis. The new digital analysis option adds digital signal testing that includes Bit Error Rate (BER) and Modulation Error Rate (MER). The internal high volume NiMH battery supports up to 5 hours of continuous use after a full charge. This unit is durable and simple to use in a wide range of conditions. The tough plastic housing makes this unit highly resistant to damage from shock and impact. The CT-DLM870D has a 2 5/8" x 1 3/4" enlarged color LCD and the new screen graphics enhance readability and simplify operations.

## Contents Include:

- 1 Meter
- 1 Instruction manual
- Two Replacement F Barrels
- 1 AC Charger
- 1 Carrying Strap

## Description:

CT-DLM870D	Signal level meter
CT-DLM870D-BATT	Replacement battery for CT-DLM870D
CT-DLM-CABLE	Interconnect cable, meter to PC via RS232C





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# CT-DLM870D Digital / Analog Signal Level Meter

## Specifications:

### Frequency

Range: 55.25 MHz - 865.25 MHz  
Resolution: 10 KHz  
Bandwidth: 280 KHz

### Carrier-Noise Ratio (C/N)

Input range: >70 dBuV  
Accuracy: ±2 dB  
Resolution: 0.1 dB

### Channel Type

Analog TV: NTSC Standard  
Digital TV: QAM, QPSK  
FM channel: Single frequency

### Tilt measurement

Number of channels: 3  
Resolution: 0.1 dB

### Level Measurement

Range: 25 dBuV - 120 dBuV  
Accuracy: ±1.5dB  
Resolution: 0.1dB  
Input Impedance: 75 Ohm  
Wave detection: Peak value

### Trunk Voltage measurement

Input range: 0-100VAC  
Accuracy: ± 1.5V Resolution 0.1V

### QAM Analysis

Modulation type: 64/256 QAM DVB-C; ITU-TJ.83-AnnexA/AnnexB  
Symbol Rate: 1.00 Mbps ~7.00 Mbps  
Bandwidth: 6MHz~10MHz  
Frequency tuner: 50 KHz  
MER measurement range: 19~38dB±2dB  
BER Pre/post FEC measurement range: 10E-2 to 10E-8  
Tuning range: 55.25 - 865.25 MHz  
Tuning mode: By channel or by frequency

### Channel Scan

Number of Channels: 200 channels max.  
Scanning speed: 4 channels / sec  
Zoom: 1X, 2X, 4X three levels of magnification or full Channel Plan scan  
Memory: 100 Groups, each group Max 200 Channels

### Spectrum Analysis

Bandwidth: Range between 10 MHz, 25 MHz, 50 MHz, and full span

### Channel Plan

Number of Channels: 200 channels max  
Number of Learned Channel Plan: 10 max

### Power Supply

Battery: 7.2V 1.6AH Ni-MH battery,  
Charger: AC 100V-240V/50Hz  
Working Time: Average 5-8 hours (full charged battery).  
Charging Time: 5-10 hrs.

### Dimensions

Height: 9.5"  
Depth: 3.0"  
Width: 4.0"



**CT-DLM-CABLE**  
Interconnect cable, meter  
to PC via RS232C  
(Sold Separately)