CT-DLM870D
Digital / Analog Signal Level Meter

…competitive technologies with compelling value

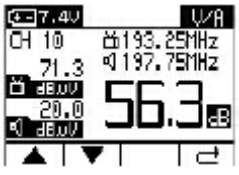
Features:

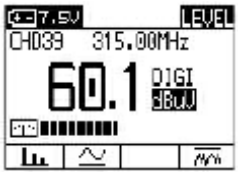
- Direct input by frequency from 5 MHz - 870 MHz
- Direct input by channel number
- DVB average power measurement.
- Measures QAM 16/32/64/128/256, DVB-C, BER & MER
- Simultaneously displays video carrier and audio carrier strength, and V/A measurement
- Switchable between dBmV and dBµV
- Tilt measurement 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

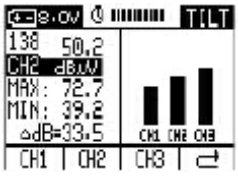
Description:

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

Email: sales@cabletronix.com ***Web: www.cabletronix.com***

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Digital / Analog Signal Level Meter

Specifications:

Frequency

Range:	5 MHz - 870 MHz
Resolution:	10 KHz
Bandwidth:	280 KHz

Channel Type

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

Level Measurement

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

Carrier-Noise Ratio (C/N)

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

Tilt measurement

Number of channels:	3
Resolution:	0.1 dB

Trunk Voltage measurement

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

QAM Analysis

Modulation type:	16/32/64/128/256 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:	5M~862MHz
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)

Email: sales@cabletronix.com ***Web: www.cabletronix.com***