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

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

CT-DLM870D Signal level meter
CT-DLM870D-BATT Replacement battery for CT-DLM870D
CT-DLM-CABLE Interconnect cable, meter to PC via RS232C
CT-DLM870D
Digital / Analog Signal Level Meter

Specifications:

Frequency
Range: 55.25 MHz - 865.25 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

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

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

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"

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