

GD300DQ TV Signal Level Meter CATV Tester



GD300DQ TV Signal Level Meter is designed to provide features which are most widely used and favored by professionals in CATV industry at the least cost. It can be used to measure accurately the analogue channels, digital channels efficiently and effectively with high accuracy rate. Mainly it supports C/N, level, channel power measurement, voltmeter function, spectrum analysis and so on. Overall, its functions are easy to use and can be used in a wide range of applications.

Feature:

1. Accurate QAM testing: digital average power, MER, BER
2. Support multiple DVB mode: 16QAM, 32AM, 64QAM, 128QAM, 256QAM
3. Single channel/Frequency simulated power levels testing
4. Video and audio signal power levels testing
5. V/A testing, show the frequency of video and audio, field intensity and power level difference simultaneously.
6. C/N testing, slope testing
7. QAM View includes BER, MER, and constellation

Applications:

1. Cable modem analysis using Zero span mode provides accurate, in-service power and C/N measurements
2. QAM view option provides complete analysis of digital TV and forward cable modem signals
3. Find ingress fast with Field View option. Cable technicians working in the field can see the reverse path at the head-end
4. Digital QAM carrier demodulation includes 16, 32, 64, 128 and 256 QAM constellation display with zoom, average digital power level, bit error rate (BER), and 22 to 39dB modulation error rate (MER).

Specifications

Channel/Frequency Index	
Frequency Range	5MHz~862MHz
Resolution	10KHz
Measurement Bandwidth	280KHz
Frequency Step	50KHz
Channel Type	
Analog TV	TV
Digital TV	16/32/64/128/256 QAM

Analog Power Level Testing

Measuring Range	25dBuV-120dBuV
Precision	±1.5dB
Resolution	0.1dB
Detection Method	Average value detection
Input Impedance	75Ω

Digital Power Level Testing

Measuring Range	40dBuV-110dBuV
Precision	±2.5dB

Voltage Testing

Input Range	0~100V (AC/DC)
Precision	±2V
Resolution	0.1V

Digital Channel

Modulation Mode	Comply with DVB-C/ITU J83-A
QAM Mode	16/32/64/128/256QAM
Symbol Rate	1MS/S-7MS/S
Bandwidth	Set by user
MER	19-35dB
BER	1.0E-2~1.0E-8

Carrier-Noise Ratio(C/N)

Precision	±2dB
Resolution	0.1dB

Spectrum Analysis

Frequency Range	5MHz-862MHz
Power Levels Range	20dBV-120dBV
Testing Bandwidth	4.8, 20, 40MHz
Power Levels Range	20dBV-120dBV

Slope Testing

Number of Channels	8
Resolution	±0.1dB

Note: All the above mentioned technical indexes wholly represent the indoor temperature (25°C).

General Specifications:

Audio Output	Built-in speaker
Power Supply	Li-ion battery (3.7V, 2,000mAh, 5V AC/DC adaptor/charger)
Operating Time	Average 6~8 hours (fully charged)
Charging Time	Less than 5 hours
Dimension	223*110*47mm
Net Weight	0.43kg
Working Temperature	-10°C~+50°C
Storage Temperature	-20°C~+60°C

Standard Accessories:

carrying bag, AC/DC adapter, battery, software, USB cable