

GD300DQ TV Signal Level Meter

Description

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.



Part Number	Description
GD300DQ	TV Signal Level Meter

Features

- Compact design
- Accurate QAM testing: digital average power, MER, BER
- Support multiple DVB mode: 16QAM, 32AM, 64QAM, 128QAM, 256QAM
- Single channel/Frequency simulated power levels testing.
- Video and audio signal power levels testing
- V/A testing. Show the frequency of video and audio. Field intensity and power level difference simultaneously.
- C/N testing. Slope testing.
- QAM View includes BER, MER, and constellation

Applications

- Cable modem analysis using zero span mode provides accurate, in-service power and C/N measurements.
- QAM view option provides complete analysis of digital TV and forward cable modem signals.
- Find ingress fast with field view option. Cable technicians working in the field can see the reverse path at the headend.
- Full, in-service, proof-of-performance analyzer.
- Fast, sensitive spectrum analyzer.
- 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).

Specification

Technical parameters

Channel/Frequency index		Digital channel	
Frequency range	5MHz-862MHz	Modulation mode	Comply with DVB-C/ITU J83-A
Precision	50ppm	QAM mode	16/32/64/128/256 QAM
Resolution	10KHz	Symbol rate	1MS/S-7MS/S
Measurement band width	280KHz	Band width	Set by user
Frequency step	50KHz,100KHz,500KHz	MER	22-39dB
Channel type		Precision	±2dB
Analog TV	TV	BER	1E-4-1E-9
Digital TV	16/32/64/128/256 QAM	Carrier-noise ratio(C/N)	
Frequency/channel	SIGL	Signal input range	> 70dBuV
Analog power level testing		Measuring range	20dB-50dB
Measuring range	25dBuV-120dBuV	Precision	±2dBuV
Precision	±1.5dB	Resolution	0.5dB
Resolution	0.1dB	Spectrum analysis	
Detection method	Peak value detection	Frequency Range	5MHz-862MHz
Input impedance	75Ω	Resolution	100KHz
Digital power level testing		Precision	50ppm
Measuring range	25dBuV-110dBuV	Power levels range	20dBV-120dBV
Precision	±1.5dB	Power levels resolution	0.1dB
Resolution	0.1dB	Power level precision	±1.5dB
Detection method	Average value detection	Dynamic range	60dB
Input impedance	75Ω	Input impedance	75Ω
Voltage testing		RBW	300KHz
Input range	0-80V(AC/DC)	Testing band width	6,12,62MHz,All range scan
Precision	±2V	Slope testing	
Resolution	0.1V	Number of channels	5
		Resolution	±0.1dB

General parameters

Audio output	Built-in speaker
Power supply	Li-ion battery(3.7V,2000mAh),5V AC/DC Adaptor/Charger
Charging time	Less than 5 hours (can work about 8 hours)
Dimension	223*110*47(mm)
Net weight	0.43kg
Working temperature	-10°C-50°C
Stand accessories	Carrying Bag,AC/DC Adaptor,Battery,Software,USB cable.

Standard accessories

Carrying Bag,AC/DC Adaptor,Battery,Software,USB cable