



Super QAM Analyzer

Introduction

Dh229 QAM ANALYZER is a brand new product of developed for DVB signal analyzing. This instrument features compact size but high performance. It can be used for both analog and digital TV analysis. In the Level and Frequency mode, the peak-holding function permits the detection of occasional interference. What is more exciting about this new product is that it is designed and built in such a way to make the measurement of QAM digital channels, analogue channels and FM channels easier than ever.

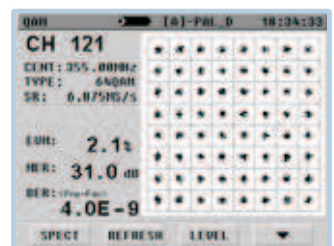
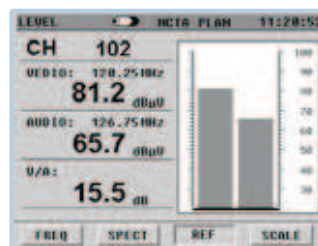
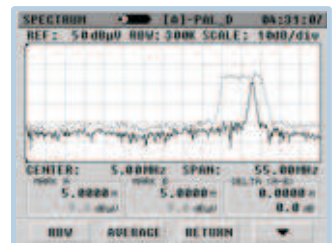
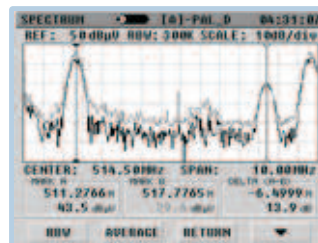
Dh229 also has built-in COM port to allow users to easily communicate and save test data with PC. The software can be updated conveniently by using the intelligent technique.

Key Features

- Analog channel analysis (LEVEL, TILT, C/N and etc.)
- Digital channel analysis (Constellation diagram, MER, BER and etc.)
- Spectrum analysis
- Limit test function
- Auto test function
- Multiple users' channel plan
- Communication with PC
- More than 6 hours operating time (Fully charged)
- Light weight
- Large LCD display area

Main Specifications

Analogue Channel Measurement		
Frequency Range	*****	5MHz~870MHz
Frequency Resolution	***	10KHz
Resolution Bandwidth	***	100KHz~300KHz (self adapting)
Frequency Stability	***	±10ppm
Measurement Range	***	30dBμV~120dBμV
Level Resolution	*****	0.1dB
Level Precision	*****	±1.5dB at 25°C
Digital Channel Measurement		
Frequency Range	*****	5MHz~870MHz
Frequency Resolution	***	10KHz
Frequency Stability	***	±10ppm
Channel Bandwidth	*****	8MHz or 6MHz
Measurement Range	***	30dBμV~110dBμV
Level Resolution	*****	0.1dB
MER Measurement Range	**	22 dB~40dB (64QAM)
Level Precision	*****	±1.5dB at 25°C
Modulation Type	****	QPSK, 16/32/64/128/256QAM ITU-T J.83 Annex A/B/C
Symbol Rate	*****	1MS/S~6.9 MS/S
Spectrum Analysis		
Frequency Range	*****	5MHz~870MHz
Frequency Resolution	*****	100Hz
Frequency Stability	*****	±10ppm
Resolution Bandwidth	*****	30KHz~3MHz (1, 3, 10 step)
Level Precision	*****	±1.5dB at 25°C
Measurement Range	*****	10dBμV~120dBμV
Average Ground Noise without Input	*****	<10dBμV (RBW=300KHz)
Minimum Span	*****	30KHz



Sweep Time	100ms~300ms/field
Marker	Two, and can do difference measurement between signals
Markers' Frequency Resolution	100Hz (minimum while span is 30KHz)
Others	
Input Impedance	75 Ω
Power Supply	14.4V/2.1AH lithium battery (Chargeable)
Dimension	About 266mm×160mm×82mm
Weight	About 1160g
Operating Time	More than 6 hours continuously, typical value at 25°C (Fully charged)
Charging Time	About 3 hours