

## DS2500/DS2500C

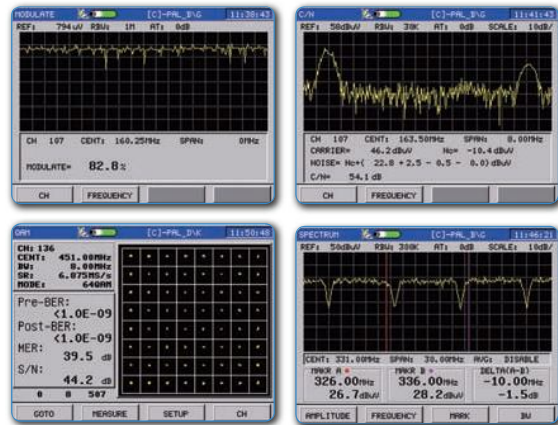
### QAM Analyzer

#### Introduction

DS2500/DS2500C is a new generation and versatile product of Deviser with TFT LCD display. It supports main function of CATV, QAM and cable modem measurement. Also it features with easy operation and fast spectrum analysis .

#### Key Feature

- Digital TV analysis Channel power, MER, BER, Constellation etc
- Enhanced Spectrum Analysis Function: Increasing with Positive/Negative/Averaged Peak Value detector function
- Cable Modem Testing Module: Support DOCSIS2.0/3.0; Add CM Statistic function /Ping/bandwidth testing/website browser
- New shell using ABS+PC plastic
- 4 inch full-color TFT LCD
- Linux operating system; Large memory; Fast display, Powerful file management functions
- Support USB device
- Support LAN: Communicate with PC



#### Main Specification

Model	DS2500	DS2500C
<b>Digital TV Measurement</b>		
Frequency Range	5MHz ~ 1000MHz	
Frequency Resolution	10kHz	
Frequency Accuracy	±10×10 <sup>6</sup>	
Power Level Range	30dBμV ~ 110dBμV	
Level Resolution	0.1dB	
Level Accuracy	±1.5dB(C/N>20dB)	
Input Impedance	75Ω	
MER	~ 40dB	
MER Accuracy	±2dB	
EVM	√	
BER	1E-4~1E-9(Pre/Post RS)	
Modulation Type	16/32/64/128/256QAM ITU – T J.83-ANNEX A/B/C	
Constellation	√	
Digital Statistics	√	
<b>Analog TV Measurement</b>		
Frequency Range	5MHz ~ 1000MHz	
Frequency Resolution	10kHz	
Frequency Accuracy	±10×10 <sup>6</sup>	
Level Range	30dBμV~120dBμV	
Level Resolution	0.1dB	
Level Accuracy	±1.5dB	
Input Impedance	75Ω	
Other Functions	C/N, V/A, Tilt, Limit Test, Channel Scan/Management, Auto Test, Trunk Volt	
<b>Spectrum analysis</b>		
Frequency Range	5MHz ~ 1000MHz	
Frequency Resolution	100Hz	
Frequency Accuracy	±10×10 <sup>6</sup>	
Level Measurement Range	10dBμV~120dBμV	
Level Resolution	0.1dB	
Level Accuracy	±1.5dB	
Dynamic Range	60dB	

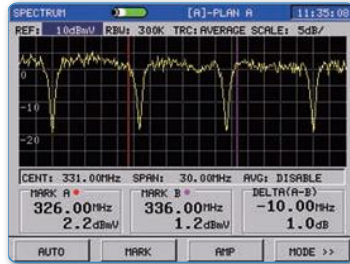
Model	DS2500	DS2500C
Input Impedance	75Ω	
RBW	30kHz/100kHz/300kHz/1MHz/3MHz(Self-Adapt)	
Sweep time	300ms/field (8MHz)	
Measurement Bandwidth	995MHz MAX	
Return Path Noise Testing	√	
Function	—	DOCSIS2.0/3.0/ EuroDOSIS CM Statistic function/ Ping/ Bandwidth testing/ Web browser
<b>QAM Source</b>		
Frequency	—	5MHz~65MHz
MER	—	>38dB
Modulation Type	—	QPSK; QAM(8/16/32/64); CW(Modulation Close)
Symbol Rate	—	160/320/640/1280/ 2560/5120 KSym/s
Level Output	—	68dBμV~118dBμV
<b>Other</b>		
Dimension	About 247mm×130mm× 67mm	
Weight	About 1160 g	
Power Supply	14.8V 2.1AH Lithium battery(Chargeable)	
Charge Time	4~5hours	
Continuous Work Time	More than 6 hours(Fully charged)	

## DS2500/DS2500C QAM Analyzer

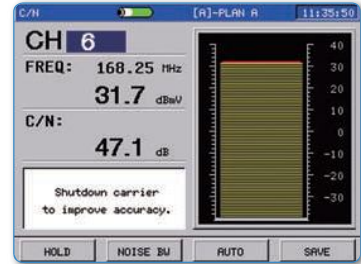
### CATV Measurement



Constellation Diagram



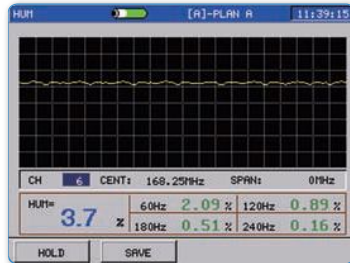
Spectrum



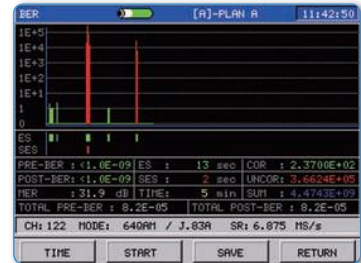
C/N



Modulation Depth

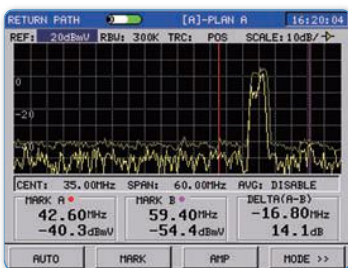


Hum



BER Statistic

### Return Path Measurement



Return Path Spectrum



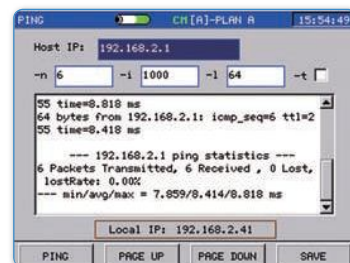
QAM Source



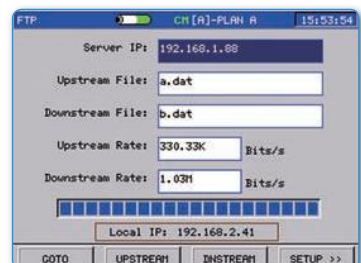
Web Browser



CM Info



Ping



CM Throughput