This portable and easy to use signal analyzer tests CATV signal levels in both channel and frequency modes.

Overview

This signal analyzer is specially designed and manufactured for CATV system installation and testing. It measures CATV TILT and trunk cable voltage accurately and also tests DVB-C digital signal features including average peak power, MER, BER, C/N, EVM and provides constellation diagram. This instrument tests CATV signal levels in both channel and frequency modes. In scan mode, the signal analyzer store signal levels for each channel. In spectrum mode it provides spectrum display and tests for a certain frequency range.

Features

- ✓ Tests CATV signal levels at both channel and frequency modes
- ✓ High-speed measurement
- ✓ Auto-off time setup
- ✓ Auto scan testing
- ✓ Portable, rugged and handheld design
- ✓ Matrix super big LCD with back light

Technical Specifications

Level	
Frequency Range	46 MHz to 870 MHz
Resolution Bandwidth	280 kHz ± 50 kHz
Channels	All Channels
Level Range	35 dBμV to 115 dBμV
Accuracy	±1.5 dBuV (under room temperature) ±2.5 dBuV (- 10 °C to 40°C)
Input Impedance	75 Ω (BNC or F connector)
Wave Detection	Peak value
Auto Scan Testing	
Max. Channel Scan	100 Channels
Scan Range	All Channels within 46 MHz to 870 MHz
Scan Speed	30 Channels/Min
Memory Groups	23 Groups(00 to 22) Each group store Max 100 Channels
Voltage	
Voltage Range	0 to 100 VAC
Accuracy	±1.5 V
Resolution	0.1 V
C/N (the measure result is only for reference, not accuracy result)	
Level Range	80 dBuV to 105 dBuV
Others	
Dimension	215 mm × 95 mm × 47 mm
Weight	610 g (without charger)
Working Temperature	-10 °C to 40 °C
Display LCD	128 × 64 Matrix super big LCD with back light
Power	
DC Supply	DC 7.2 V/1.6 Ah rechargeable battery
AC Supply	AC 220 V/50 Hz ±10%
Battery Working Hours	Longer than 4.5 hours at continuous working mode
Recharging Hours	12 hours to 14 hours

Accessories

Battery Charger	1 pc
RF Input Port	2 pcs
User Manual	1 copy

DVB Specifications(A0N00006 without EVM function and constellation diagram)

Frequency Range	46 MHz to 870 MHz
Frequency Resolution	10 kHz
Frequency Accuracy	$\pm 10 \times 10^{-6}$
Average Power	35 dBµV to 115 dBµV
Power Resolution	0.1 dB
Power Accuracy	± 2.0 dB (under room temperature)
Input Impedance	75 Ω
MER	22 dB to 39 dB
MER Accuracy	± 2 dB
EVM	√
BER	$1E^{-4}$ to $1E^{-8}$(after RS)
Modulation	16/32/64/128/256 QAM
Constellation Diagram	√

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