

## H60 Digital Processing 3.3 GHz Spectrum Analyzer

### H60

#### with Digital Processing

Unrivaled speed and mathematical precision in all your measurements...

The H60 is a full functioning spectrum analyzer that measures up to 3.3 GHz. With the zoom function, you can look at an individual TV channel and still view the whole spectrum. The unit has a dynamic range of 60 dB and a span down to 100 KHz. When looking at satellites, it identifies on the screen which satellite it is tuned too.

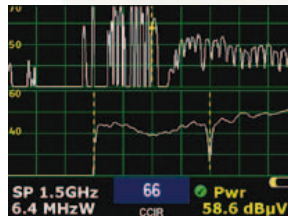
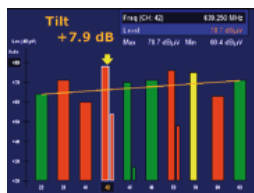
In RF measurement mode it will measure the full TV spectrum as well as individual channels. It can do system scan, plan memory, slope and tilt, do scanning logs as well as detailed long term measurements. It measures both analog and digital and does C/N, CSO, CTB, MER, BER, and constellations.

With the optional Fiber interface it can do optical power level measurements.

...now clearer than ever before



H60, getting the full potential of Digital Processing technology... clearly.



### Spectrum analyzer extended to 3.3 GHz

#### Ordering Information

5993	H45 Advance (MPEG2, 2.5GHz)
596001	H60 Advance (MPEG4, 3.3GHz)
596001 + 598903	H60 Advance (MPEG4, 3.3GHz, Remote Measurements)
596002	H60 Advance (MPEG4, 3.3GHz, Fiber Optics)
596002 + 598903	H60 Advance (MPEG4, 3.3GHz, Fiber Optics, Remote Measurements)

#### New feature

##### Remote access and measurements

Control your H60 remotely and make measurements from any internet connected device. Ideal for extended signal tests over time in headends and broadband distribution networks. Leave your H60 connected to your headend, node or anywhere in your HFC distribution network and control the unit and measure signals and quality parameters remotely. Once finished, export the results to your computer using the included HSuite software.



## H60 Digital Processing 3.3 GHz Spectrum Analyzer

### H60 Specifications

Frequency Range	2.0 MHz to 3.3 GHz
Frequency Resolution	50 KHz
Tuning	By Frequency or Channel
Impedance	75 Ohm
Connector	F Female

### RF Digital Measurements

#### Formats

Channel Plans Cable / Terrestrial	QAM, 8VSB, IRC, HRC, CCIR
Channel Plans Satellite	DirTV 72°; DirTV 99°; DirTV 101°; DirTV 103°; DirTV110°; DirTV119°; DirTV_SWM8; DISH 61,5°, Dish 72,7°; Dish 77; Dish 105°; Dish 118,7°; Dish 119°; Dish 121°; Dish 129°; Dish 148°; SIM4008

Demodulation	8VSB, QAM, DVB-S, QPSK, 8PSK, DSS, DVB-S2
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<b>QAM</b>	QAM Annex A/B/C
Constellations	16, 32, 64, 128, 256,
Symbol Rate	2.0 TO 6.9
DFE Filter	On / Off
Dynamic Range	55 dB
C/N	52 dB
MER	up to 40 dB
Accuracy	±2 dB
Resolution	±0.1 dB
Pre / Post BER	1.0E-8
BER	1.0E-8
MER	40 dB

### Analog Measurements

Dynamic Range	60 dB
V/A	20 dB
C/N	up to 52 dB
Accuracy	±2.0 dB
Resolution	±0.1 dB
CSO / CTB	YES
System Scan	YES
Tilt	YES

### Spectrum Analyzer

Spectrum Analyzer Span	100 KHz to 3.3 GHz
Spectrum Analyzer Resolution Bandwidth	300 Hz to 6.4 MHz
Tuning	50 KHz

### Fiber Optic Interface (Option)

Wavelengths	1310, 1490, 1550 nm
Dynamic Range	-20 dBm to 10 dBm
Connector Type	FC-APC

### General

Screen	5.7" TFT Color
Operating Time	
Dimensions Inches	12 x 5.9 x 4.9 (306 x 150 x 125mm)
Weight	4.6 Lbs /2,1 Kg
Power	42W
Battery	7.2VDC, 9A/H Lithium
Charging Time From Fully Drained Battery	75% 3 hours, 100% 8 Hours
Operating Temperature	25° to 105° F / -5° to 40°C
Storage Temperature	25° to 105° F / -5° to 40°C
Humidity	80%
Memory	100 Measurements