



Test Equipment

Matchmaster has a range of test equipment from simple signal finders through to professional highend RF/Fibre optic analysers. Matchmaster can supply hands on training for all meter types as well as local service and repairs. All professional meters are tested and programmed by Matchmaster to suit your needs.



The Leader of Digital TV Signal Analyzer
TELEMANN

Televes

Matchmaster
TV Reception Systems
For the Best

Test Equipment

Satellite Signal Level Meter

DVB-S/2

12MM-SDM7

Features and Benefits

- » I/Q Constellation diagram (HD level 8PSK)
- » Per-BER, Post-BER, SNR, MER measurement
- » Blind scan for DVB-S, DVB-S2, DSS & TP list
- » Data logger with USB port
- » Spectrum analyzer
- » DiSEqC 1.0/1.1/1.2 (rotator) supporting

12MM-SDM7 Specifications

Analog SAT	
Frequency Range	950MHz - 2150MHz
Frequency Resolution	0.1MHz
Level Measurement Range	20dB μ V(-40dBmV)-110dB μ V(+50dBmV)
Level Measurement Resolution	0.1dB
Level Measurement Bandwidth	3-20MHz or AUTO
Level Measurement Accuracy	\pm 2dB(5-50°C)
Level Units	dB(dB μ V, dBmV, dBm) or %
Digital SAT (DVB-S, DVB-S2 & DSS)	
Frequency Range	950MHz - 2150MHz
Frequency Resolution	0.1MHz
Level Measurement Range	20dB μ V(-40dBmV) -110dB μ V(+50dBmV)
Level Measurement Resolution	0.1dB
Level Measurement Bandwidth	3-20MHz or AUTO
Level Measurement Accuracy	\pm 2dB(5-50°C)
LOCX Range	25dB μ V(-35dBmV) - 110dB μ V(+50dBmV)
DVB-S2	1) QPSK - Symbol Rate: 1-36MSps - FEC: 1/4, 1/3, 2/5, 3/5, 1/2, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 2) 8PSK - Symbol Rate: 1-30MSps - FEC: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10
DSS QPSK	Symbol Rate: 20MSps / FEC: 3/4, 5/6, 6/7
MER Range	5dB - 20dB



SNR Range	8PSK: 3-20dB QPSK: 2-16dB
BER Range	Per-BER: 2xE-2 ... 2xE-8 Post-BER: 2xE-4 ... 2xE-9
Spectrum Inversion	Auto
I/Q Constellation Diagram	8PSK, QPSK
Spectrum Mode	
Level Range	25dB μ V - 110dB μ V
Measurement Range	20dB μ V - 110dB μ V
Span	120MHz, 240MHz, 600MHz, Full
Peak Level Indication	Auto
Sweep Rate	900ms/600ms/300ms
User Config for LNB/sW/Rotator	
SW Config	22KHz, DSEqC 1.0/1.1/1.2 Dish Legacy
Sat File	Max 99, 84TP per Sat File, Max 1368TP
USB Port	
Downloading / Uploading with PC	Config Files
Downloading / Uploading / Printing with PC	Max 99 Logger Files & 1 Scanned File
Power Supply	
Rechargeable Battery (Built-In)	Config Files
Continuous Operating Time in Full Charging (over 8hours)	Max 99 Logger Files & 1 Scanned File
Main Adapter	DC 12V/500mA
Circumstance	
Usable Temperature	5-50°C

Test Equipment

FTA Signal Level Meter 12MM-TDM5

Features and Benefits

- » Our entry level TV signal analyser provides spectrum analysis, signal level and carrier to noise for digital and analog signals
- » Light weight, portable design
- » Monochrome LCD display
- » Provides digital and analog measurements
- » Programmable channel plans via USB



12MM-TDM5 Specifications

Frequency Range	45 - 870MHz
Input Impedance	75Ω (F type connector)
Frequency Resolution	10KHz
Level Measurement	25dBμV - 120dBμV
Level Measurement Resolution	0.1dB
Level Measurement Accuracy	±2.0dB
V/A Measurement	Range: 0-50dB
C/N Measurement	Bandwidth: 0.5MHz - 9MHz Offset: 0.5MHz - 9MHz
Indication	Tilt Slope, Video Level
Channel Spectrum Span	16/38/56/110CH
Reference Level Division	10dB
Marker Indication	Channel Power
Frequency Spectrum Span	10/22/56/110MHz

Battery Pack 12MM-TDM5 12MM-BP01

Features and Benefits

- » 4.8V Ni-MH 2000mA



Battery Pack 12MM-SDM7 12MM-BP08TDM

Features and Benefits

- » Li-Poly 4000mA



Charger Pack 12MM-TDM5 12MM-PSTD5

Features and Benefits

- » 9VDC 1A

Charger Pack 12MM-SDM7 12MM-PSTD6

Features and Benefits

- » 12VDC 1A



Test Equipment

**H60 Advance DVBT/DVBT2/C/S/
S2 MPEG4, CI, 2.5 GHz**
12MM-596003

**H60 Advance DVBT/DVBT2/C/S/
S2 MPEG4, CI, 3.3 GHz, Fibre**
12MM-596004

**H60 Advance DVBT/DVBT2/C/S/
S2 MPEG4, CI, 3.3 GHz,
Fibre, ETH**
12MM-596006

Features and Benefits

- » Multifunction signal analysis and compliant with DVB-T, DVB-S/S2, DVB-C, FM and Analog signals, 2.5GHz spectrum analyser
- » Full data log analysis
- » Conditional interface
- » Full spectrum analysis with colour screen
- » Dolby digital compliant
- » Built in DC voltage insertion for powering amplifiers and LNB where satellite testing required

Specifications

Product Code		12MM-596003, 12MM-596004, 12MM-596006
Scan & Log w/ Automatic Channel Identification	Terrestrial/ CATV	Yes
	Satellite	Yes
Universal Auto Lock. DVB-T, DVB-C, DVB-S&S2		Yes
Q.A.L (QPSK Auto Lock)		Yes
Interfaces		HDMI, USB, SD card, Mini-DIN, CAM, FC/ APC (F.O.)
USB SW Update		Yes
Latest Version HW & SW		Yes
Thumbwheel Navigation		Yes
Satellite Frequency Selection		IF, real RF, Channel and memory
Menu and Measurement Display		On-Screen-Display (OSD)
Teletext		Analog & Digital
One Screen Measurements		Yes
Pass/Fail Indicators		Yes
Real-time COMBO Mode		Yes
Dynamic Range	Terrestrial/ CATV	60dB
	Satellite	55dB
Fiber Optics Interface		Yes
HDMI Output		Yes
Spectrum Analyser		3.3GHz



Test Equipment

**H45 Compact, DVBT/C/S/S2,
MPEG4, DOLBY, CI**
12MM-599020

**H45 Compact, DVBT/DVBT2/
C/S/S2, MPEG4, DOLBY, CI**
12MM-599021

**H45 Compact, DVBT/DVBT2/
C/S/S2, MPEG4, DOLBY,
CI & Fibre**
12MM-599024

Features and Benefits

- » Full data log analysis
- » Full spectrum analysis with real time sweep
- » Dolby digital compliant
- » Built in DC voltage insertion for powering amplifiers and LNB where satellite testing required
- » Full HD screen with MPEG2/4 Digital & Analogue tuner built in

Specifications

Product Code		12MM-599020, 12MM-599021, 12MM-599024
Scan & Log w/ Automatic Channel Identification	Terrestrial/ CATV	Yes
	Satellite	Yes
Universal Auto Lock. DVB-T, DVB-C, DVB-S&S2		Yes
Q.A.L (QPSK Auto Lock)		Yes
Interfaces		HDMI, USB, SD card, Mini-DIN, CAM, FC/APC (F.O.)
		HDMI, USB, SD card, Mini-DIN
USB SW Update		Yes
Latest Version HW & SW		Yes
Thumbwheel Navigation		Yes
Satellite Frequency Selection		IF, real RF, Channel and memory
Menu and Measurement Display		On-Screen-Display (OSD)
Teletext		Analog & Digital
One Screen Measurements		Yes
Pass/Fail Indicators		Yes
Real-time COMBO Mode		Yes
Dynamic Range	Terrestrial/ CATV	60dB
	Satellite	55dB
HDMI Output		Yes
Spectrum Analyser		2.5GHz



Test Equipment

Satellite Finder 13MM-SF95

Features and Benefits

- » Designed to ensure that you position and angle your digital satellite in the correct direction for best reception
- » Suitable for the home, caravan, boating and leisure enthusiast
- » Needle and adjustment allows correct adjustment of dish
- » Easy to use, compact design



13MM-SF95 Specifications

Frequency Range	0.95GHz-2.15GHz
Sensitivity	7dB
DC Power Supply	13-18V
Operating Range	LNB Gain+52-60dB

A large advertisement for Matchmaster Pay TV approved cables. It features a stylized background of black and white zig-zagging lines with blue and red accents. Two cables with silver connectors are shown. The Matchmaster logo and 'TV Reception Systems' are in the top right, with the slogan 'For the Best' in red script below it.

Pay TV Approved Cable

Matchmaster has a complete range of Pay TV approved cables for commercial and residential applications.

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