



Test Equipment

Matchmaster has a range of test equipment from the simple signal finders through to professional high-end 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 your needs.

The Leader of Digital TV Signal Analyzer
TELEMANN

Televes

Matchmaster
TV Reception Systems
For the Best

Test Equipment

Digital TV Signal Finder

12MM-DF02

Features and Benefits

- » Designed to ensure that you position and angle your digital TV antenna in the correct direction for best reception
- » Suitable for the home, caravan, boating and leisure enthusiast
- » Provides LED lights to show signal strength for antenna adjustment
- » Easy to use, compact design
- » Includes 9V battery



12MM-DF02 Specifications

Frequency Range TV	174 - 820MHz / 500 - 690MHz	
Input	1 'F' Type Female Connector	
Return Loss	Input	10dB ≥ 8dB
Input Level	TV	50 ~ 80dBμV/50 ~ 90dBμV/10dB
Battery Used (TV)	50mA at 9V	Power from B6F22 Battery
Switching Buttons Power	Power	On/Off
Switching Buttons Signal	TV	1 x Red, 1 x Yellow, 2 x Green LED's
LED's Signal & Strength	1 x Red, 1 x Yellow, 2 x Green LED's	Red: Weak, Yellow: Medium, Green: Strong
LED's Power	1 x Red	Power Indicator

Digital TV And Satellite Signal Finder

12MM-DF03

Features and Benefits

- » Designed to ensure that you position and angle your digital TV antenna/satellite in the correct direction for best reception
- » Suitable for the home, caravan, boating and leisure enthusiast
- » Provides LED lights to show signal strength for antenna/satellite adjustment
- » Easy to use, compact design
- » Includes 9V battery



12MM-DF03 Specifications

Frequency	FTA 40-860MHz SAT, 950-2150MHz	
Sensitivity	ANT input, 4 channels/MUX's, +/- 2dBμV, 75 Ohm (single channel sensitivity in square brackets)	
1 LED	44 (63) dBμV	Low signal
2 LED's	47 (66) dBμV	Minimum signal
3 LED's	51 (69) dBμV	
4 LED's	54 (72) dBμV	Optimum signal
5 LED's	59 (75) dBμV	
6 LED's	61 (78) dBμV	
7 LED's	64 (81) dBμV	
8 LED's	68 (84) dBμV	
9 LED's	71 (87) dBμV	Strong signal
10 LED's	74 (90) dBμV	
11 LED's	78 (94) dBμV	
12 LED's	81 (98) dBμV	
SAT Input	Visual/Audio Indication Only	

H45 Weatherproof Soft Case

12MM-H45-CASE

Features and Benefits

- » Protective cover ideal for daily use with clear screen for easy visibility
- » Velcro tear away front and top for access to interfaces
- » Durable design
- » Enhanced protection
- » 12MM-H45 not Included



Test Equipment

H45 Compact Handheld Meter With MPEG4 HD And Digital Processing

12MM-H45-COMPACT

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
- » DVBT, C, S, S2, Analogue & FM measurements
- » Full HD screen with MPEG2/4 Digital & Analogue tuner built in



H60 Field Strength Meter With Digital Processing

12MM-H60

Features and Benefits

- » Full spectrum analysis with colour screen
- » Dolby digital compliant
- » Built in DC voltage insertion for powering amplifiers and LNB where satellite testing required
- » Multifunction signal analysis and compliant with DVB-T, DVB-S/S2, DVB-C, FM and Analog signals, Optical tests on 1310nm, 1490nm and 1550nm and 3.3GHz spectrum analyser
- » Full data log analysis
- » Conditional interface



Power Supply Brick For H45 And H60 Meters

12MM-H45-H60-PS

Features and Benefits

- » AC mains power supply for (12MM-H45-COMPACT) and (12MM-H60)
- » Wide range of voltage operations
- » Double insulated



Specifications

Product Code		12MM-H60	12MM-H45-COMPACT
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, 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	
Fibre Optics Interface		Yes	No
HDMI Output		Yes	
Spectrum Analyser		3.3GHz	2.5GHz



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
- » 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 C/N Measurement	Range: 0-50dB 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

Light Source Testing Meter

12MM-TLS01

Features and Benefits

- » Covering three wavelengths (1310, 1490, and 1550nm) and automatically measures your optical plant loss
- » User-selectable power (0dBm to -8dBm)
- » The laser can be disabled for adjustment work
- » Signal modulation
- » Automatic ID: Seamlessly pairs with Teledes® H-Series System Analyzers and automatically detects the wavelength



12MM-TLS01 Specifications

Screen	LCD 128x64 px	
Languages	Universal	
Wavelengths	nm	1310, 1490, 1550
Modulation	270Hz, 1kHz, 2kHz Automatic ID (H-Series)	
Tolerance	nm	±20
Laser	Fabry Pérot	
Power	dBm	0 to -8 (in 1dBm steps)
Short Term Stability (15 min.)	dB	±0.1
Long Term Stability (2 hours)	dB	±0.3
Battery	Type	Li-Ion 7.4V
External Power	Vdc	12
Consumption (max)	W	12
Autonomy	h	26

Replacement Battery For

12MM-H45/H60 Meter

14MM-H60-H45-BATTERY

Features and Benefits

- » Replacement lithium Ion battery for the Teledes H45 and H60 instruments
- » Keep your test equipment operating with an extra battery
- » Genuine manufacturer replacement battery
- » High quality with factory charge cycle

