

MG 1-00 – DVB-TV Meter

Easy entry through intuitive handling

- ✓ Quick use thanks to DVB-T/T2 and SAT alignment function
- ✓ Ideal for use by installers, electricians and on the construction site
- ✓ Measuring ranges DVB-T/-T2/T2 Lite, DVB-C/-C2 and DVB-S/-S2* (incl.
 UNICABLE I and II as well as wideband LNBs)
- ✓ Including spectrum analyser and visualisation of the constellation diagram
- ✓ Import of an individual frequency plan possible
- ✓ Level measuring range 20 ... 120 dBµV
- ✓ Including display of the TV picture

*Extendable to DVB-S2x





Available devices and accessories:

MG 1-00 DVB-TV Meter
MGK 1-00 Meter calibration for MG 1-00
MGS 1-00 Software extension to DVB-S2X for MG 1-00
MGZ 1-00 Carrying bag for MG 1-00
MGZ 1-01 Rain and sun protection kit for MG 1-00
MGZ 2-00 Car charger for MG 1-00
MGZ 3-00 Measuring cable and adapter set for MG 1-00













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MG 1-00 - DVB-TV Meter



Qualitative measurement

The measuring device MG 1-00 supports the installation and maintenance of coaxial reception systems. It is used for the qualitative measurement of digital terrestrial television channels, satellite systems or cable networks. The device enables measurements to be made on all digital television standards such as the DVB-C/-C2, DVB-T/-T2/-T2Lite and DVB-S/-S2 standards (incl. UNICABLE I and II and Wideband LNBs). Analogue signals can be evaluated in levels. Optionally, the satellite standard DVB-S2X can be integrated.

Touch screen – robust housing – scope of delivery

The 7-inch touch screen offers all the advantages of touch screen technology: intuitive access to functions, menus and measurements.

The robust housing with protective bumpers protects the sensitive parts of the measuring device in the field.

The built-in lithium-ion battery with 94 Wh is sufficient for up to 5 hours of operation (depending on use and a remote power supply for LNB or antenna).

Supplied with F/F adapter, charger, USB stick and carrying case MGZ 1-00.

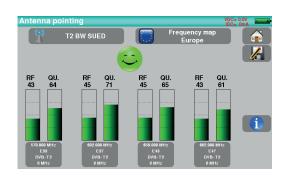
Thanks to the AXING-MCombiner software tool supplied, measurement protocols can be created conveniently.



Easy to get started with the terrestrial or SAT alignment function

The meter is supplied with pre-assigned transponder memories. This enables quick alignment of a DVB-T/T2 or SAT antenna. The predefined transponders can be changed or added at any time.





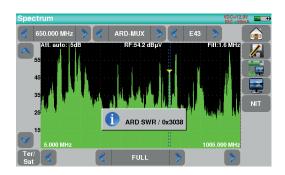


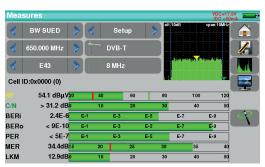


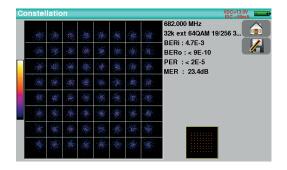
Displaying the TV picture in SD and HD

Thanks to the built-in MPEG decoder, free-to-air SD and HD programmes can be displayed cleanly. This is especially important to show the customer the function of the system. The name of the programme and all important information are also shown.









Spectrum Analyser

With the help of the spectrum analyser, the full spectrum or a partial range of it can be analysed. The evaluation of preset transmitters facilitates the verification of a targeted satellite, for example.

Detailed measurement at a glance

During the measurement, all important measured values such as level, bit error rate (before and after the forward error correction, if applicable), packet errors, MER and system reserve are clearly displayed.

Constellation diagram

In addition to the detailed measurement values, the constellation diagram can be displayed for all supported digital signals. These graphical representations of a digitally modulated signal can be used to detect signal distortion and interference.

Accessories:



MGS 1-00

Software extension for MG 1-00 For measuring DVB-S2X modulated satellite signals

The measuring device must be reprogrammed at AXING



MGZ 3-00

Measuring cable and adapter set for MG 1-00 I2.0 m measuring cable

IEC-female to F-female

IEC-male to F-female

IEC-male to F-male, Quickfix

IEC-female to F-male, Quickfix

F-male, Quickfix to IEC-female



MGK 1-00

Meters must be calibrated at regular intervals. The measuring device must be sent to the factory for this and is checked and recalibrated



MGZ 1-01

Rain and sun protection kit for MG 1-00 Rain cover for working even in the rain Glare protection for mounting above the display Belt clip



MGZ 2-00

Car charger for MG 1-00 For charging the device in the car DC/DC converter 12V to 15V/1A With adapter for car cigarette lighter and hollow plug 5.5 mm



MGZ 1-00

Replacement for the carrying bag supplied with the MG 1-00



Series S	Specifications		CATV / Terrestrial				SAT		
DEFigure	Frequency								
Control Cont		5 - 1005 MHz							
Spannek sange		•				C Ku Ku WIDEBAND (LO adjustable)			
Section Sect									
Record	<u>, </u>								
Reculation DVB-1727/121e DVB-CC2 BG DX 1 L NN DVB PM care DVB-52525* PAL SCAM NSS care DVB-52555* PAL SCAM NSS care DVB-5255* PAL SCAM NSS care DVB-5255* DVB-525* DVB-5									
Displate Displate									
Digital Imposumements	Resolution								
Public receives and link mappin (OLA) Yes									
Model before Partic (MER) 15-3-568 15-3-568 20-40.89 25-35.89 0-20.88 0-		DVB-T	DVB-T2/T2lite	DVB-C (J83.A)	DVB-C2	DVB-S	DVB-S2	DVB-S2X*	
Sentinety 33 dByV 33 dByV 33 dByV 47									
Bardolidh	Modulation Error Ratio (MER)								
The and data side, simple				< 55 dBµV		47 dBμV	47 dBμV	47 dBμV	
Carroller	Bandwidth	6 7 8 MHz	1.7 5 6 7 8 MHz	-	6 8 MHz	-	-	-	
Constitutions	Mode	-	-			-	-	-	
Second S	Carrier	2k, 8k		-	-	-	-	-	
Symbol rate	Constellations	QPSK, 16 - 64 QAM				QPSK	QPSK, 8PSK, 16, 32APSK		
Millstream PREP Part Size HPAP PREP Part Size Stream selection 0 - 255 (SS)	Symbol rate	-			-	1 - 50 MS/s	1 - 50 MS/s		
Spectrum analysis Spec		HP/LP	PLP	-	PLP + Data Slice	-			
Spectrum analysis	Multistream	-	-	-	-	-	(ISI)	0 - 255 (ISI)	
Span	Spectrum analysis							and a second code	
Sweep time		1MHz to full span in 1, 2, 5 steps							
Tiles									
Attenuator Busplay Dynamic range Go B (10 B Ridin)									
Display Payment range									
Settings				uuton		7			
Fast antenna pointing -					00 00 (10 00/01/)				
		fast ante	nna pointing			fa	st antenna pointing, single or mo	noblock I NB	
Check-4 channels per place, can be modified by user	Settings				-				
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	Dimensions (W × H × D)								
External power supply 110/230 VAC 15 VDC / 1 A	Weight								
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^{*} Only with software extension MGS 1-00 | **From serial number ... 6000













