

MVG 10

Video generator



MVG 10 208320



Der MVG 10 is a signal generator used to wobble and modulate video signals. In connection with the Sat/TV/FM signal meter MSK 33, it is a broadband-analysis signal meter system.

The operability of a cable network can be tested in both the forward path (47-862 MHz) and return path (4-80 MHz) before the system is put into operation.

The MVG 10 can also be connected to an already functional cable network.

The generator can wobble in various ranges, omitting frequency ranges which are already occupied, thus avoiding signal disturbance.

With the functions 'Signal generator', 'Noise generator' and 'Sweep generator', the MVG 10 also serves for the maintenance work of radio and TV technicians.

This multi-purpose device with its many functions can also be used in laboratories.

Technical data

Type		MVG 10
Order no.		208320
Frequency range	MHz	4-1,000
Frequency setting	kHz	50
Frequency resolution	kHz	62.5
Display		LCD alphanumerical, 2 x 16-digit, bargraph illuminated
Signal generator		Direct frequency entry; \pm buttons; modulatable
Sweep generator		10 ranges with start/stop and frequency step entry
Channel-hopping generator		10 ranges with start/stop and channel step entry
Noise generator	MHz	4-1,000 (ripple: ± 2 dB)
Output level	dB μ V	36-100; noise generator: 29-93 (7 MHz)
Level accuracy	dB	± 2
Level resolution	dB	0.1; noise generator: 1
Interference level	dB μ V	< 40 (up to 90 dB μ V output level)
Standards		B/G; D/K; I; M; Mj; H
Colour standards		PAL; NTSC
TV modulation		Internal: Test picture/coloured bar; External: comp. colour, RGB (black/white) - Two-side band 4.5/5.5/6.0/6.5 MHz FM audio carrier modulation
FM modulation	kHz	Internal: NF = 1, deviation approx. 75; external: NF = 0.05-15
Power supply	V/Ah	Internal: lead-battery 12/2.8; External: power supply unit 230/12
Connections		
Voltage supply	mm	Hollow plug 5,5/2,1
Signal output	-/ Ω	BNC socket/75
Signal input (Comp. colour in, RGB in, Audio in)		Scart socket
Data interface (software updates)		RS 232 (Sub D 9-pin)
General		
Ambient temperature range	$^{\circ}$ C	Max. 0 to +40
Dimensions (W x H x D)	mm	90 (115) x 162 x 235 (incl. leather case)
Weight	kg	Approx. 3 (incl. leather case)
Delivery scope		Leather case with straps, power supply unit



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