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Model 1253

Portable HDTV Pattern Generator

Data Sheet

B&K Precision's model 1253 is an affordable HDTV test pattern generator that delivers accurate test patterns for the testing of the most common HDTV displays including Plasma, LCD, TFT, CRT, DLP, GLV and OLED digital display products. The 1253 can display from its HDTV Component (YPbPr) outputs or S-Video output (Luminance patterns only), fourteen of the most useful patterns for twelve of the most commonly used video formats. It is lightweight and portable and is ideal for on-the-bench and in-the-field testing. The 1253 is a must for TV repair engineers or technicians to test and calibrate digital televisions, Video Engineers to test and maintain studio equipment or Home Theater Installation Technicians to fine-tune the picture quality of digital televisions. The 1253 displays the most popular formats including 1920 x 1080 30i, 1280 x 720 60p, 704 x 480 60p, NTSC, PAL & SECAM. A unique feature of the 1253 is the Overscan DVD Aspect Ratio pattern. This feature covers the most commonly use aspect ratios used for all movies recorded to DVD media.



Specifications

Video Formats	1	1920x1080 30i
	2	1920x1080 30p
	3	1920x1080 24p
	4	1280x720 60p
	5	1280x720 30p
	6	1280x720 24p
	7	704x480 60p
	8	704x480 30p
	9	704x480 30i
	10	*NTSC
	11	*PAL
	12	*SECAM
Patterns	1	SMPTE Bars [75%, 100%] (power up default is 75%)
	2	PLUGE
	3	Needle
	4	Color Bars [75%, 100%]
	5	Cross Hatch [16:9, 12:9(4:3)]
	6	DVD Aspect Ratio [1.33:1, 1.78:1, 1.85:1, 2.35:1]
	7	Raster [75% wht, yel, cyn, grn, mag, red, blu, blk]
	8	Multiburst
	9	Focus
	10	Staircase
	11	ANSI Gray
	12	Window [2.5 IRE steps from Black to White]
	13	Checker
	14	Overscan - Bounce
Operation	15 buttons, 1 Power Switch	
Y Output	1V peak-to-peak into 75 ohms, on BNC	
Pb, Pr Outputs	0.7V peak-to-peak into 75 ohms, on BNC	
S-Video (SVHS)	5 Pin Din	
Video Output Buffer Response	100MHz @ -3dB	
Power Supply	9V Alkaline Battery	
Power Indicator	Red LED	
Timing Accuracy	25ppm (0.0025%)	
Video Level error	< 1.5%	
Size (LxWxD)	5.6" x 3.1" x 1.1" (142 x 79 x 28mm)	
Weight (Approx.)	6.2 oz (176 g)	

* S-Video output provides luminance patterns only

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Specifications subject to change without notice