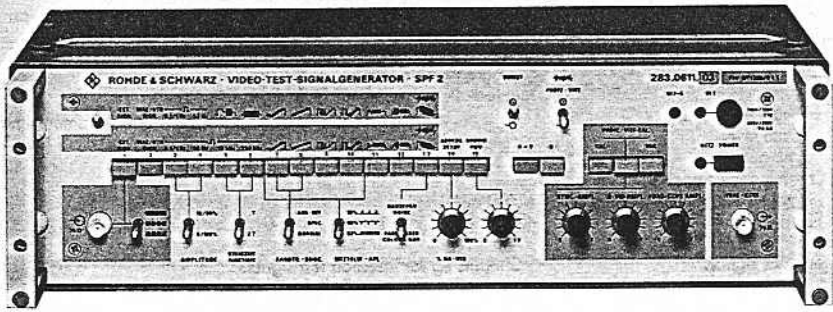


132 Sound and TV Broadcasting Measurements

Video Test Signal Generator SPF2

Standards B/G, D, H, I (PAL)
and M (NTSC)
Multifunction generator



Uses

The Video Test Signal Generator SPF2 produces all the video signals for TV measurements in accordance with existing standards or with special waveforms and amplitudes and inserts these as test lines into the program signal. The SPF2 combines a number of instrument functions: video signal generator, test signal generator, noise generator, VTR test signal generator and test signal inserter.

Its ease of operation, light weight and low power consumption make the SPF2 ideal for mobile use.

To cover the wide range of applications, different models of the SPF2 are available.

Characteristics

The composite colour video signal (CCVS) for full-field measurements can have standard levels or the amplitudes of the individual signal components, such as sync pulse, picture component

and composite (colour) video, can be adjusted. Moreover, an insertion signal at the calibrated level of 700 mV with adjustable sync and picture components is available. The test signals produced are automatically inserted into the generator signal and into the program signal. By changing internal links the test signals can be inserted into any line, even into several lines. Bypassing the program path in the SPF2 is possible by means of an external bypassing device with the aid of status signals.

Specifications

Individual signals	
External signal	eg data, teletext
VTR test signal	
Squarewaves	0.1 to 1Hz/50Hz/15 kHz/250 kHz
Video standard level signal	
Red area signal	
Blacker-than-black sawtooth	
Blacker-than-black staircase	
Sawtooth	
Staircase	
Test signals	CCIR 17/18/330/331 to EBU
Colour-bar signals	
Noise signal	grey pedestal
Setup	
Calibration signal	
Hum signal	
General data	
Power supply	110/125/220/235 V +15/-10% 47 to 63 Hz, 50 VA
Dimensions (W x H x D); weight	
19" bench model	492 mm x 161 mm x 514 mm; 10.6 kg
19" rackmount	483 mm x 132 mm x 506 mm; 8.6 kg

Ordering information

Video Test Signal Generator		
Model for laboratories and service centers, standard B/G	SPF2	0283.0611.03
Standard M (NTSC)	SPF2	0283.0611.13
Standard D/K	SPF2	0283.0611.33
Model for studios, standard B/G	SPF2	0283.0611.08
Model for remote-controlled full-field signal generation, standard B/G	SPF2	0393.9035.09
Model with teletext test line, standard B/G	SPF2	0393.9035.56
Model with two teletext test pages and interlaced teletext test signal; standard B/G	SPF2	0393.9035.66
Model for FuBK test pattern generation to German standard, standard B/G	SPF2	0393.9035.59
Special model furnishing signals to customer's requirements	SPF2	please enquire
Extras		
Junction panel including bypass circuit and cover for incorporation into 19" racks		0283.2814.13