

Product Name :
Analogue Signal Transmission Training Kit

Product Code :
SH854



Description :

Analogue Signal Transmission Training Kit

Technical Specification :

Analogue Signal Transmission Training Kit

With this board the students can study the operating principles of the most common techniques of analog modulation (AM, DSB, SSB, FM and PM) with the aid also of the signal generators and auxiliary circuits as VCO and PLL.

Specification:

AM modulation and demodulation

Carrier input 0 $\hat{=}$ 15 V peak-to-peak, 70 $\hat{=}$ 700 kHz

Modulator input 0 $\hat{=}$ 15 V peak-to-peak, 3.5 $\hat{=}$ 50 kHz

DSB modulation and demodulation

Carrier input 0 $\hat{=}$ 15 V peak-to-peak, 70 $\hat{=}$ 700 kHz

Modulator input 0 $\hat{=}$ 15 V peak-to-peak, 3.5 $\hat{=}$ 50 kHz

SSB modulation and demodulation

Selective filter

Carrier input 0 $\hat{=}$ 15 V peak-to-peak, 300 - 350 kHz

Modulator input 0 $\hat{=}$ 2 V peak-to-peak, 30 $\hat{=}$ 50 kHz

SSB demodulator with ACG

FM modulation and demodulation

Input 1 $\hat{=}$ 10 V peak-to-peak, 2-5 kHz

Carrier 6-9 MHz

Quadrature FM modulation and demodulation
Input 1 $\approx$ 10 V peak-to-peak, 3-5 kHz
PM modulation and demodulation
Input 1 $\approx$ 5 V peak-to-peak, 0 $\approx$ 300 Hz
VCO and PLL circuits
Input 0 $\approx$ 4 V peak-to-peak, 0 $\approx$ 6 kHz
Carrier generator
0 $\approx$ 15 V peak-to-peak, 70 $\approx$ 700 kHz
Low frequency generator
0 $\approx$ 15 V peak-to-peak, 3.5 $\approx$ 50 kHz
Noise generator
Transmission with class C amplifier
Gain of the receiver 15 dB
Complete with theoretical and practical manual.

Naugralabequipments

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