

Product Name :
Digital Signal Transmission Training Kit

Product Code :
SH149



Description :

Digital Signal Transmission Training Kit

Technical Specification :

Digital Signal Transmission Training Kit

With this board the students can study the operating principle of the transmission of digital signals using the most common modulations such as ASK, FSK and PSK with the aid of encoders/decoders NRZ, RZ, Manchester, Bi-phase and Duo- binary.

Technical Specification:

NRZ (Non-Return to Zero) coding and decoding

RZ (Return to Zero) coding and decoding

Manchester coding and decoding

Bi-phase coding and decoding

Duo-binary coding and decoding

ASK modulation and demodulation

FSK modulation and demodulation

PSK modulation and demodulation

Clock and carrier generator, obtained by a single quartz source at 2.4576 Mc/s with a selectable clock frequency of 2400, 4800, 9600, 19200 or 38400 cycles / sec,

Pseudo-random data generator that generates two random sequences of 1 and 0 of different length, 15 bits and 255 bits, Bit Error Rate (BER) meter,

Digital delay equalizer, Artificial noise generator, that generates a quasi-white spectrum signal in the band 2 - 40 kHz, Jitter meter.

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