

Product Name :

PCM Generation & Demodulation using CODEC Chip Trainer for
Communication Teaching Labs

Product Code :

COM-TR-30

**Description :**

PCM Generation & Demodulation using CODEC Chip - PCM Generation & Demodulation using CODEC Chip -compact and user

friendly learning platforms to provide a modern, portable, comprehensive and practical way to learn Technology. Each TechBook is provided with detailed Multimedia learning material which covers basic theory, step by step procedure to conduct the experiment and other useful information. Sciencetech 2123 PCM Generation & Demodulation using CODEC Chip Techbook is a stereo codec based PCM Generator and Demodulator training system. The system has on-board selectable clock source and analog signal source. The analog signal source generates sinusoidal signal. Various test points and connection sockets are provided for easy understanding of an audio CODEC. It also shows the effect of various sampling rates on coding of speech signal. Coding seeks to minimize the number of bits in the digital representation of a signal without an objectionable loss of signal quality. High quality is attained at low bit rates by exploiting signal redundancy and certain types of coding distortion are imperceptible because they are masked by the signal.

On-board clock generation

On-board signal generation

Audio interface for PCM coding and decoding

Low voltage requirement for operation

Variable sampling rate as per system clock used

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