

Product Name :
Digital Communication Training System for Communication Teaching Labs

Product Code :
COM-TR-23



Description :

Digital Communication Training System - Digital Communication Training System -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. In most fundamental sense, Digital Communication plays a very important role in above Communication Technologies and is the basis for any transmission. Sciencetech 2137 Digital Communication Training System is an ideal solution to bridge the gap between theoretical studies and practical working. Using this training system student will be able to understand step by step journey of communication system. All major blocks required in Digital Communication blocks are covered and test points are provided for each step. Inbuilt Mixed Signal Oscilloscope-MSO [CH1+ CH2 + LA (8CH)] with 5.7 TFT Graphical LCD gives a freedom of test & measurement instrument and Data Acquisition Card.

Digital Communication Training System is based on VLSI and DSP platform

In-build internal data generator : 256 Bit

Type of Encoding & Decoding: 1bit, 2bit, 3bit, 4bit

Type of Modulations & Demodulations: ASK, FSK, BPSK, DBPSK, QPSK, DQPSK, p/4 QPSK, OQPSK, M-ary ASK, M-ary FSK, MSK, 8-PSK, 8-QAM, 16-PSK, 16-QAM

Constellation (Vector) pattern for respective modulation

Large 5.7 Touch Panel TFT Graphical LCD for Graphical user interfaces

In-build Mixed Signal Oscilloscope (2CH Analog + 8CH Digital) for real-time signal analysis

Training System has more than 30 test points which will help students to observe the signal on Oscilloscope and Logic Analyzer

PC to PC interface with interactive messaging software

More than 40 experiments can be performed

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