

Product Name :
Digital communications trainer

Product Code :
DCTT99



Description :

Digital communications trainer - Digital Communication Trainer should be designed in a modular format using base station and PCB module approach in order to make the program both comprehensive and flexible for both student and the teacher. The base station should provide a working platform for the Digital Communication Modules. All necessary equipment such as power supplies, switches and others services required for operation of the modules should be included on the base station.

Courseware:

A comprehensive experiment manual should be provided to guide the students in studying the various application modules. This manual should include step-by-step instruction to prepare the modules for the experiment as well as some theory to strengthen the student's knowledge in areas that is important as a background which is needed before doing the experiment. Complete Digital Training System should be provided with all of the topics. The trainer should be able to cover the following topics:

- Analog to digital & digital to analog converter
- Parallel to serial & serial to parallel converter
- ASK modulator & demodulator
- FSK modulator & demodulator

- PSK modulator & demodulator
- QPSK modulator & demodulator
- RZ, NRZ & clock delay
- Word clock

Specification:

1.Base Station:

This is the base station that provided a working platform for the Digital Communications Modules. It contains power supplies, switches and other services required for operation of the modules.

2.Modules:

The modules should feature electrical and electronic components that are mounted onto printed circuit boards with the circuit diagram silk-screened onto the surface. Interconnections between key components or circuit blocks should be provided through 2mm test leads. It includes the training modules, storage case, 2mm test leads and experiment manuals. The modules should be designed to work with the base station which provides common connection that are required for the experiments. Experimental training manual to be provided during bidding process to ensure all experiments are covered.

Technical Specification :

Digital communications trainer

Naugra Export

Website: www.naugraexport.com, **Email:** sales@naugraexport.com

Address: 6148/6, Guru Nanak Marg, Ambala Cantt, Haryana, India, **Phone:** +91-0171-2643080, 2601773