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Product Name :	**Product Code :**
Digital Communication Trainer	Lab Trainers0016

Description :

Digital Communication Trainer

We are Leading Supplier of Digital Communication Trainer in India. We also bulk supply Digital Communication Trainer for
laboratory tensers.

Technical Specifications

The Communication Trainer Consists Of The Following Modules :

Line Code Encoder and Decoder Module :

Uipolar and Bipolar NRZ Signal Encoder & Decoder
Type of Signal : TTL, Data rate : 1 kbps ~ 4 kbps
Unipolar and Bipolar RZ Signal Encoder & Decoder
Type of Signal : TTL, Data rate : 1 kbps ~ 2.5 kbps, CLK : 2KHz ~ 5KHz
AMI Signal Encoder & Decoder :

TTL, Data rate : 50 bps ~ 250 bps, CLK : 100Hz ~ 500Hz
Manchester Signal Encoder & Decoder
Type of Signal : TTL, Data Rate : 100 bps ~ 400 bps, CLK : 200Hz ~ 800 Hz

PWM Modulator and Demodulator Module :

uA741 Pulse Width Modulator
Carrier signal : 1.5KHz ~ 2KHz, Audio signal : 500 Hz
LM555 Pulse Width Modulator
Carrier signal : 5KHz ~ 10KHz, Audio Signal : 1 KHz
Pulse Width Demodulator :
Carrier Signal : 5KHz ~ 6KHz, Audio Signal : 500Hz ~ 700Hz

PCM Modulator and Demodulator Module :

PCM Modulator & Demodulator
Built in Simple Frequency : 8 KHz
Built in Operation Frequency : 2048 KHz

Delta Modulator and Demodulator Module :

Delta Modulator & Demodulator
Type of Sample Signal : TTL CLK
Sample Frequency : 32KHz ~ 256KHz & Audio Signal : 1KHz ~ 3KHz

Adaptive Delta Modulator and Demodulator Module :

Adaptive Delta Modulator & Demodulator
Type of Sample Signal : TTL CLK
Sample Frequency : 32KHz ~ 128KHz & 64KHz ~ 256KHz
Audio Signal : 500Hz ~ 1KHz

ASK Modulator and Demodulator Module :

XR 2206 ASK Modulator
Carrier signal : 20KHz, Data Rate : 1 kbps
MC 1496 ASK Modulator
Carrier Signal : 20KHz ~ 100KHz, Data Rate : 2 kbps
Asynchronous ASK Demodulator
Carrier Signal : 20KHz, Data Rate : 200bps ~ 1kbps
Synchronous ASK Demodulator
Carrier signal : 100KHz, Data Rate : 200 bps ~ 2 kbps

FSK Modulator and Demodulator Module :

XR 2206 & LM566 FSK Modulator & Demodulator
Data rate : 200 bps ~ 400 bps

PSK Modulator and Demodulator Module :

PSK Modulator & Demodulator
Carrier Signal : 100KHz, Data Rate : 200 bps

Function Generator & DC Power Supply Module :

Waveforms : Sine, Triangle, Square, TTL Pulse
Amplitude : >10Vpp
Impedance : 50â„¦±10%
Duty Control : 30% ~ 60%
Display : 6 Digit LED Display
Frequency range : 10Hz to 100KHz (4 ranges), 100Hz to 1MHz (4 ranges)
Frequency control : Separative Coarse and Fine tuning
Constant voltage output : ±5V, ±12V
Variable voltage output : 0V ~ ±15V

Power Source : 220 ~ 230 V AC, 50Hz, 1 Phase

Naugra Export

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