Product name:	Product code:
Digital Communication Trainer	EEN0040



Description

Digital Communication Trainer

Technical specification

- 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 : 50?±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

Digital Communication Trainer

- The Communication Trainer Consists Of The Following Modules :

NAUGRA®
Civil Laboratory Equipment Manufacturers and Suppliers India Civil Lab Exportrs India
Email us at: export@civilmechanicalindia.com

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 :