

Experiment 2: Unipolar and Bipolar RZ Signal Encoder

Experiment 3: AMI Signal Encoder

Experiment 4: Manchester Signal Encoder

Chapter 2: Line Code Decoder

Experiment 1: Unipolar and Bipolar NRZ Signal Decoder

Experiment 2: Unipolar and Bipolar RZ Signal Decoder

Experiment 3: AMI Signal Decoder

Experiment 4: Manchester Signal Decoder

Module Two : Pulse Width Modulation and Demodulation (DCST-6006-02)

Chapter 3: PWM Modulator

Experiment 1: μ A741 Pulse Width Modulator

Experiment 2: LM555 Pulse Width Modulator

Chapter 4: PWM Demodulator

Experiment 1: Pulse Width Demodulator

Module Three : Pulse Code Modulation and Demodulation (DCST-6006-03)

Chapter 5 PCM Modulator

Experiment 1: PCM Modulator

Chapter 6: PCM Demodulator

Experiment 1: PCM Demodulator

Module Four : TDM Multiplexer and Demultiplexer (DCST-6006-04)

Chapter 7 TDM Multiplexer

Experiment 1 : Waveform Generator

Experiment 2 : TDM Multiplexer

Chapter 8 TDM Demultiplexer

Experiment 1 : TDM Demultiplexer

Module Five : FDM Multiplexer and Demultiplexer (DCST-6006-05)

Chapter 9 FDM Modulator

Experiment 1 : FDM Signal Generator

Experiment 2 : DSB-SC Modulated Signal Generator

Experiment 3 : FDM Multiplexer

Chapter 10 FDM Demodulator

Experiment 1 : FDM Demultiplexer

Module Six : ASK Modulation and Demodulation (DCST-6006-06)

Chapter 11: ASK Modulator

Experiment 1: XR 2206 ASK Modulator

Experiment 2: MC 1496 ASK Modulator

Chapter 12: ASK Demodulator

Experiment 1: Asynchronous ASK Detector (Using XR 2206 to produce the modulated ASK signal)

Experiment 2: Asynchronous ASK Detector (Using MC 1496 to produce the modulated ASK signal)

Experiment 3: Synchronous ASK Detector

Module Seven : FSK Modulation and Demodulation

(DCST-6006-07)

Chapter 13: FSK Modulator

Experiment 1: XR 2206 FSK Modulator

Experiment 2: LM 566 FSK Modulator

Chapter 14: FSK Demodulator

Experiment 1: LM565 FSK Demodulator (Using XR2066 to produce the modulated FSK signal)

Experiment 2: LM 566 FSK Demodulator (Using LM 566 to produce the modulated FSK signal)

Module Eight : PSK Modulation and Demodulation

(DCST-6006-08)

Chapter 15: PSK Modulator

Experiment 1: PSK Modulator

Chapter 16 PSK Demodulator

Experiment 1: PSK Demodulator