MSK Modulation / Demodulation Trainer is designed to assist students to understand the basic working principal of Minimum Shift keying technique. As the name suggests, MSK results in a modulation scheme which has smooth phase variations in contrast to other phase modulation schemes where the modulated signal contains abrupt phase changes. The immediate advantage of such a scheme is the reduction in modulated signal bandwidth. MSK Modulation / Demodulation comprises of following major blocks :

- Digital data generator
- Sine and Cosine wave generator for wave shaping
- Sine and Cosine carrier generator
- Clock signal generator
- MSK modulator and Demodulator sections with complete signal flow

Features

- Self contained and easy to use
- Functional blocks indicated on board mimic
- On board Data Generator
- On board Carrier Generator
- On board clock generators
- MSK Modulator
- MSK Demodulator

Technical Specifications

Power supply	:	230 V, 50 Hz
Data Source		
Data rate	:	8 Kbps
World Length	:	8 bits
Data Format	:	NRZ (Non Return to Zero)
Clock Source	:	8 KHz, 4 KHz
Carrier Generators	:	25 KHz (Sinusoidal)
Pulse Shaping Waveform	:	4 KHz
Interconnections	:	2 mm socket
Power Supply	:	± 5 V, ± 12 V DC, 200 mA
Test Points	:	36

Note: Specifications are subject to change.

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