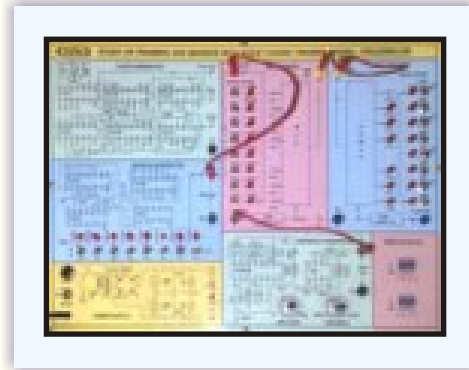




# STUDY OF FRAMING AND MARKER WITH VOICE CODING TRAINER MODEL -FRCODING100

This trainer has been designed with a view to perform practicals of generating frames and markers in time division multiplexing process for PCM.



## SPECIFICATIONS

1. Power supply requirement : 230V AC, 50 Hz.
2. Built in IC based power supply : +15V, -15V, +5V.
3. Data Clock : 512 Khz
4. Frame Frequency : 8 Khz
5. Switching : Time Division Multiplexing
6. No. of Channels : Total 8 .  
One for Audio, One for Marker and 6 for Data input with Switch and LED
7. Analog Communication : Using Sine Wave Generator or with Dynamic mike and speaker.
8. Frame Maker : 8 bit user selectable markers
9. Modulation Technique : Pulse Code Modulation using Motorola MC145502
- 10 .Standard Accessories : Experimental and Circuit Description Manual.  
Connecting Patch cords. (6 Nos.)

## EXPERIMENTS

1. 8 channel time division multiplexing
2. Framing and Marker concept
3. PCM Voice coding and decoding

In keeping view of SIGMA policy of continuous development and improvement, the Specifications may be changed without prior notice or obligation.

**Sigma Trainers and Kits**  
E-113, Jai Ambe Nagar,  
Near Udgam School,  
Thaltej,  
**AHMEDABAD - 380054.**  
**INDIA.**

**Phone(O): +91-79-26852427/ 26850829**  
**Phone(F): +91-79-26767512/ 26767648**  
**Fax : +91-79-26840290/ 26840290**  
**Mobile : +91-9824001168**  
**Email : sales@sigmatrainers.com**  
**: sigmatrainers@sify.com**  
**Web : www.sigmatrainers.com**

**Dealer:-**