

ST2503

Multiplexer/Demultiplexer Coder/Decoder Trainer

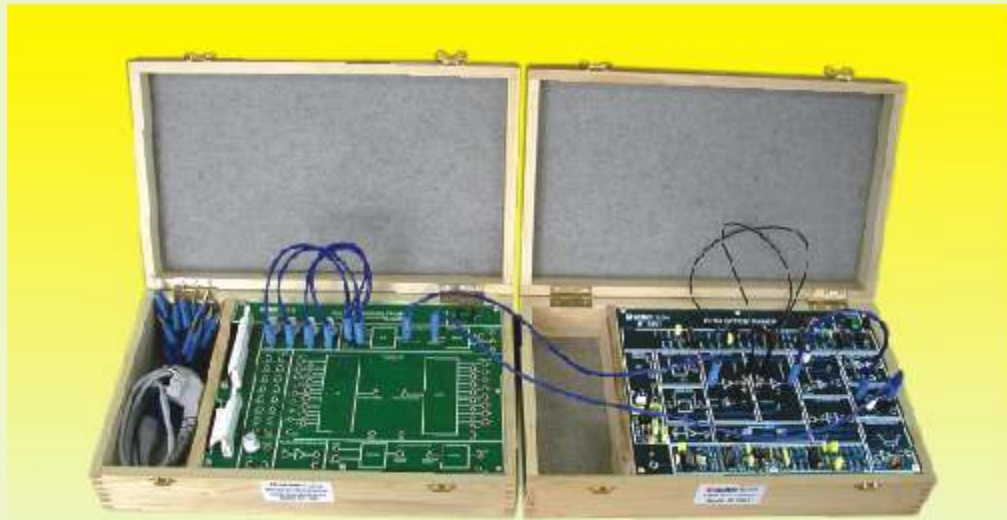


The ST2503 trainer provides all necessary inputs and connections for students to study Analog Time Division Multiplexing/ Demultiplexing, Digital Time Division Multiplexing/ Demultiplexing of signals, Pulse Position Modulation and Manchester Encoding/ Decoding technique. Trainer can be used independently or can be used to establish fibre optic link by using Fiber optic Trainer ST2501, ST2502

- Self Contained & Student Friendly Trainer.
- Functional blocks indicated on board mimic.
- Crystal Controlled Clock.
- On Board Sine Wave and Digital Signal Generator.
- 4 Channel TDM (Analog).
- 16 Channel TDM (Digital).
- Manchester Coding and Decoding.
- Pulse Position Modulation.
- Built in Power Supply.
- Can be used with Fiber Optic and various other communication Links.

ST2503

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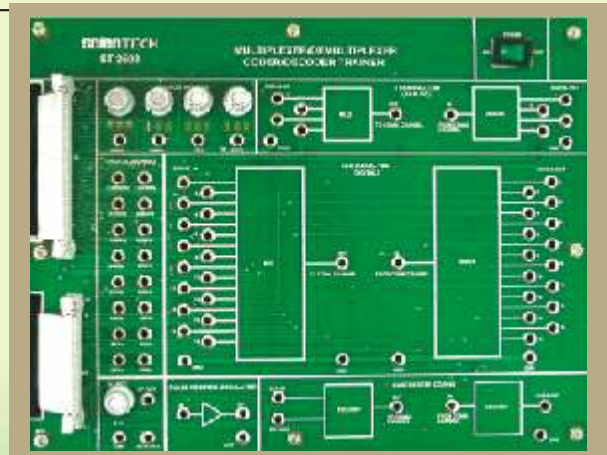
ST2503 used along with ST2502

Technical Specifications

Crystal Frequency	: 4.096 MHz
Analog Input Channels	: 4
Digital Input Channels	: 16
On Board Analog Signals	: 250Hz, 500Hz, 1KHz, 2KHz (Adjustable Amplitude)
On Board Digital Outputs	: 1).16 Square Wave Frequencies (1KHz to 2 MHz) 2). Clock Generator, 3). 8 bit data
Modulation	: Pulse Position Modulation.
Multiplexing	: Time Division Multiplexing (4 Channel Analog and 16 Channel Digital)
Coding	: Manchester Coding and Decoding
TestPoints	: 27
Interconnections	: 4mm Sockets
Dimensions (mm)	: W325, H90, D255
Power	: 230V +/-10%,50 Hz
Weight	: 3Kg (approx)
Accessories Included	: Manual, Mains cord, Patch Cords

Experimentst that Can be performed

1. Study of 4-channel Time Division Multiplexing.
 2. Study of 4-channel Time Division Demultiplexing.
 3. Study of 16-channel Time Division Multiplexing/Demultiplexing.
 4. Study of Pulse Position modulation/Demodulation.
 5. Study of Manchester Coding and Decoding.
- ST2503 Can be also used with Scientech Fiber Optic Trainer **ST2501 & ST2502**



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