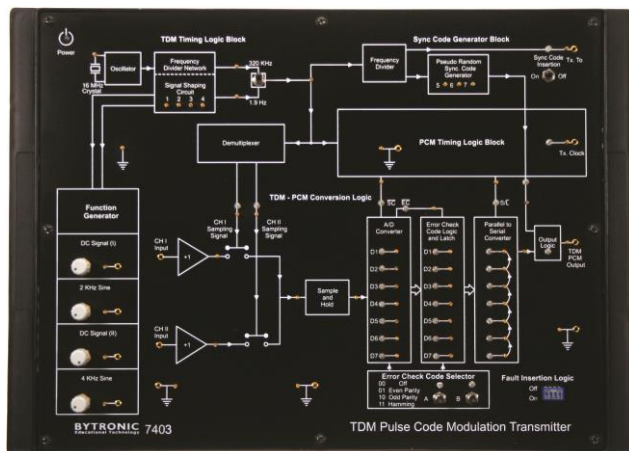


7403 – TDM Pulse Code Modulation Transmitter Trainer



Key Features:

- Functional blocks indicated via on board mimics
- Test points
- Crystal controlled clock
- On-board sine generator (synchronized)
- 2 TDM analog channels
- PCM transmitter
- Fast and slow modes for real time operation and data flow examination
- Error check code options (odd-even parity, hamming code)
- 4 switched faults allow different error check code options

The 7403 is one of a range of digital communication trainers and provides all necessary inputs and connections for students to study pulse code modulation transmission techniques. A communication link can be established by using model 7404, the pulse code modulation receiver.

Experiments

- Study of pulse code modulation
- Study of A/D conversion
- Study of control signals and their timing
- Study of time division multiplexing
- Study of synchronization by pseudo random code
- Study of error check codes
- Three modes of operation to regenerate original signal

Specification

Crystal Frequency	16 MHz
On-board Generators	Adjustable amplitude sine generator of 2KHz, 4KHz frequency (synchronised) variable Amplitude DC Level
Input Channels	2
Multiplexing	Time Division Multiplexing
Modulation	Pulse Code Modulation
Sync Signal	Pseudo Random Sync. Code Generator
Error Check Code	Off-Odd-Even Hamming
Operating Modes	Fast 320KHz channel (approx.) Slow 1.9Hz channel (approx.)
Test Points	50
Power	110-220V, $\pm 10\%$ 50/60 Hz
Dimensions (mm)	W326, H52, D252
Weight	1Kg (approx.)

Ordering Information

Model Number:

7403

Consists of:

TDM Pulse Code Modulation Transmitter Trainer
Manuals
Power Cord
Set of patch cables

Notes.

1. *Specification is subject to change without notice.*

2. *All dimensions are in mm unless otherwise stated*

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