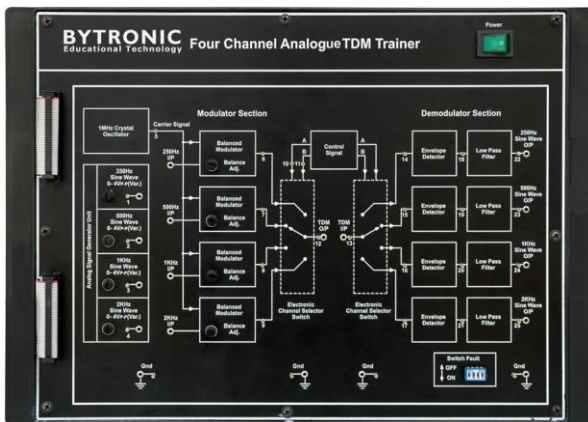


## 7507 – Four Channel Analogue TDM Trainer



### Key Features:

- On-board sine generator (synchronized)
- On board DSB/DSBSC modulators
- Crystal controlled carrier frequency generator
- Four Analogue input time multiplexed channels
- Four Envelope detectors
- On board four 4th order low pass filters
- Input-output & test points provided on board
- 8 Switched faults for fault simulation

The 7507 four channel analogue TDM trainer is part of an analogue communication range which provides all the necessary inputs, test points and connections for experimentation. The 7507 is a practical trainer for students to study time division multiplexing, amplitude modulation, demodulation, multiplexing and demultiplexing techniques.

### Experiments

- Double sideband AM generation.
- 4-channel analogue Time Division multiplexing.
- Analogue Time Division De-multiplexing and Double sideband AM reception by envelope detector.

### Specification

Crystal Frequency	1MHz
On-board generators	Four Adjustable amplitude sine wave generators, 250Hz, 500Hz, 1KHz and 2KHz
Input Channels	4
Multiplexing	Time division multiplexing
Modulation	DSB/DSBSC modulation
Signal Frequency	8KHz, 16KHz
Test Points	29
Power Supply	230V $\pm$ 10%, 50/60Hz
Power Consumption	4.8 VA approx.
Weight	1.1Kg approx.
Dimensions	W326, D252, H52

### Ordering Information

<b>Model Number:</b>	<b>7507</b>
<i>Consists of:</i>	Four Channel Analogue TDM Trainer 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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### Bytronic Limited

124 Anglesey Court, Towers Business Park,  
Rugeley, Staffordshire, WS15 1UL.

United Kingdom

Tel; +44 (0)3456 123 155 Fax; +44 (0)3456 123 156  
Email: sales@bytronic.net Website: www.bytronic.net