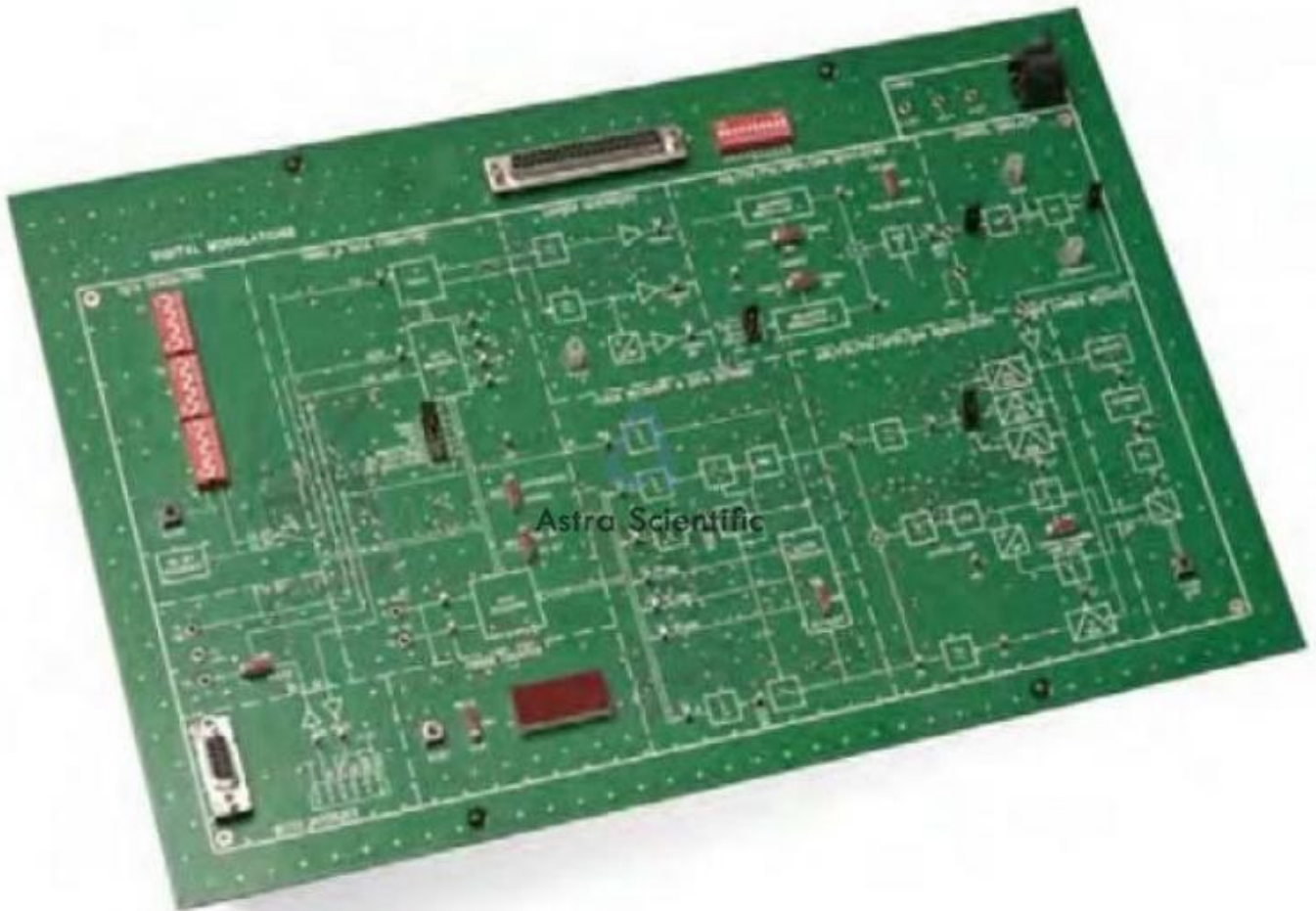


**Product Name :**  
Digital Communication Trainer

**Product Code :**  
LABUK-AP12LAB0013



**Description :**

Digital Communication Trainer

**Technical Specification :**

Experiment board would be designed to study of digital modulation transmitters and receivers: ASK (Amplitude Shift Keying), FSK (Frequency Shift Keying), PSK (Phase Shift Keying), QPSK (Quadrature Phase Shift Keying) and QAM (Quadrature Amplitude Modulation).

It contains all the pre-assembled electronic components needed to construct the experiment circuits and divided into functional blocks which can be interconnected and modified by means of supplied jumpers and connection cables.

**Technical specification:**

Data rate: 300/600/1200/1800 bit/s

Data format: synchronous and asynchronous

Data interface: TTL and V24/RS232C

Data patterns:

Programmable 24-bit

Pseudo-random 64-bit

External data

Data coders: Manchester: 1-bit differential Dibit.

Noise generator: adjustable amplitude

Rapid modifications to circuits using jumpers

Fault simulation: Possibility to insert 10 faults

Test and interconnection points, Ø 2 mm

Rapid modifications to circuits using jumpers

37-pin connector to the fault insertion unit

8-wire connector to the power supply unit

Printed circuit board with protective treatment and mimic diagram

Module equipped with ABS protection on its lower side



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