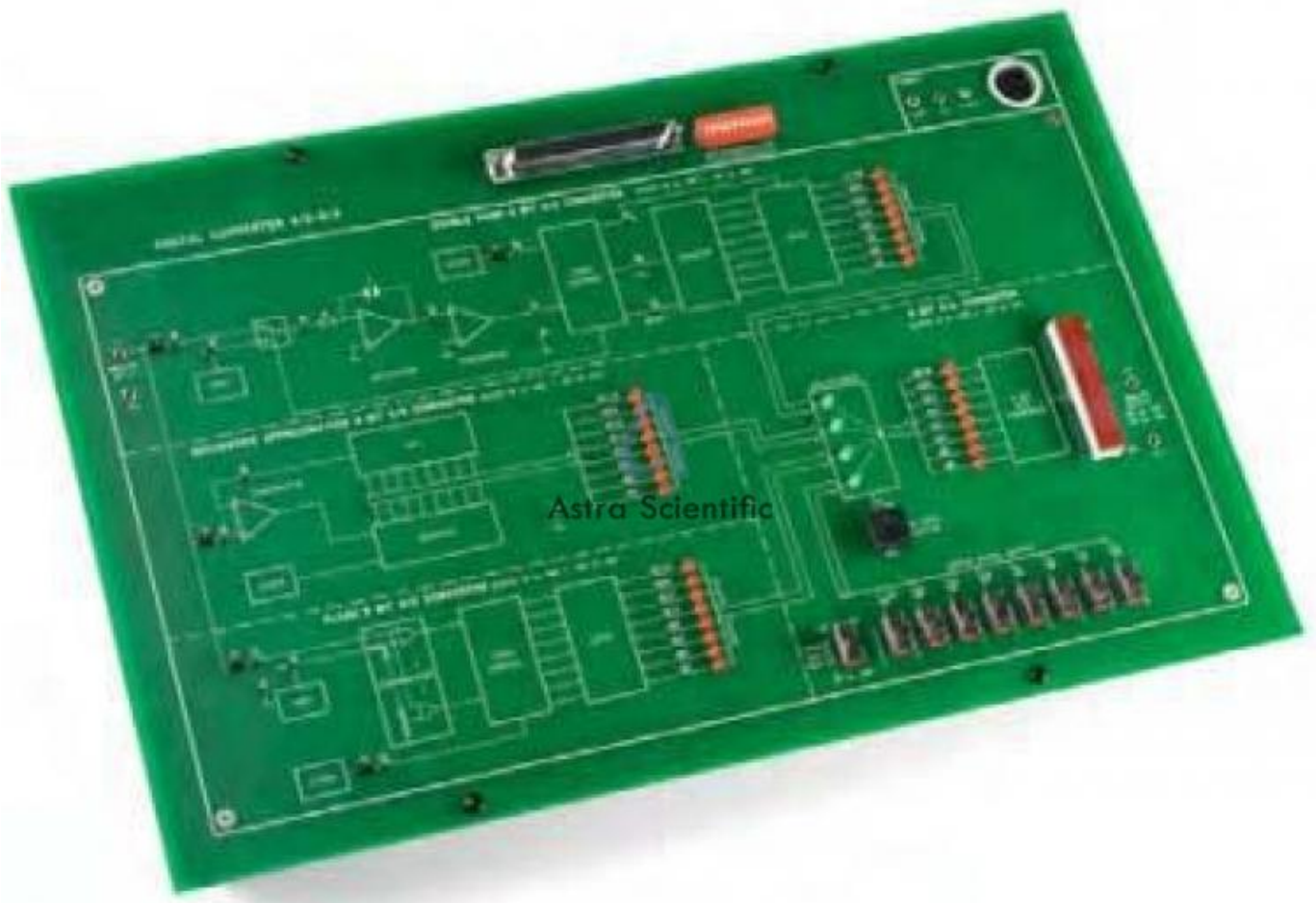


Product Name :
A to D and D to A Trainer

Product Code :
LABUK-AP12LAB0016



Description :

A to D and D to A Trainer

Technical Specification :

Experiment Board for the study of analog to digital and digital to analog conversion circuits.

Apart from the digital component related to the two types of conversion, the analog component present in the conversion processes is also analyzed.

It would contain all the pre-assembled electronic component needed to construct the experiment circuit and divided into functional circuit blocks which can be interconnected and modified by means of supplied

jumpers and connection cables.

Characteristics of analog-to-digital conversion: Sampling, quantization, sample and hold conversion time, errors.

A/I converter with double-ramp input signal integration for a constant time, impulse number count proportional to the input voltage.

AD converter chronometer Signal generator, sequential logic device at

output lines analog/digital converter at 'n' bit.

A/D Flash converters :

Comparison between input analog value and fixed ones, control logic, analog digital converter at "n" bit; D/A converter, Comparison between different A/D converters based on the input frequency signal; Selection of the conversion type according to the application.

Printed circuit board with protective treatment and mimic diagram Input range: switchable between and-8V- 8V
0-8V

Output range: switchable between 0-8V and-8V-+8V

LED display for digital signals

Digital values configuration by means of switches

Bar LED display for analog signals 2 mm sockets for test points and connections Jumpers for quick circuit modification 37-pin connector for Interface

Control Unit S1S3-U/EV

8-pin connector for Power Supply

Unit PSLC/EV

Power supply for the Trainer Board

Computer interface

Warranty for 3 years.

Provided with operational manual.

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