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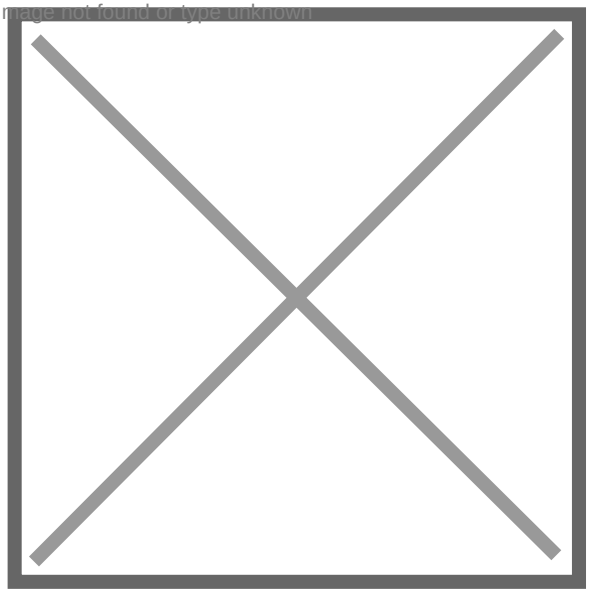
Product Name :

7-Segmented Decoder And Display

Product Code :

SCI-315/012

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Description :

7-Segmented Decoder And Display (Product Code: SCI-315/012) is a digital electronics trainer board used to show how a binary-coded decimal (BCD) input is decoded and displayed as a numeral in school, polytechnic and engineering electronics labs. Students set 4 logic input switches and watch a 7447 decoder IC drive a 7-segment LED display, powered by the board's own +5 V supply. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer and laboratory instruments supplier in India, at its own factory in Ambala.

Specifications

Parameter	Detail
Decoder	BCD to 7-segment decoder using IC 7447
Display	7-segment LED display
Inputs	4 logic input switches
Power	Built-in power supply, DC +5 V @ 500 mA
Supplied with	Required number of patch cords and an operating manual
Product code	SCI-315/012
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the 7-Segment Decoder and Display Used For?

In digital electronics practicals, students learn that four binary inputs can represent the decimal digits 0 to 9 in BCD form. With this digital electronics trainer kit they set a code on the 4 switches, patch the switches to the 7447 decoder and the decoder to the display, and then verify the truth table by noting which segments light for each code.

The board suits experiments on decoders, code conversion and display interfacing, and follows naturally after basic logic gate work. Ask students to try the six invalid BCD codes as well and record what the display shows. Switch off the built-in supply before changing patch-cord connections.

OEM Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited, the OEM (original equipment manufacturer) of the 7-Segmented Decoder And Display. The board is made and assembled at the company's own licensed factory at Saha, Ambala, Haryana, India, rather than bought in from a trader, and goes factory-direct to schools, polytechnics, engineering colleges, dealers and importers. For extra patch cords, replacement boards or repeat orders, just ask us — the manufacturer handles them directly. Learn more on the company profile.

Related Laboratory Equipment

Items