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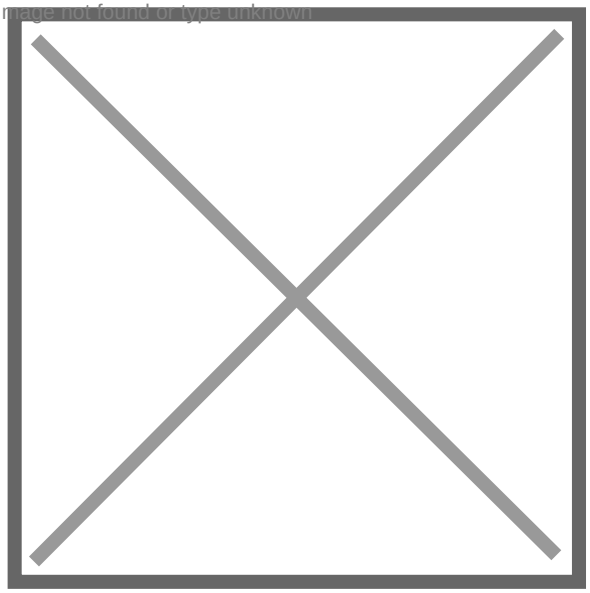
Product Name :

Logic Gate Apparatus

Product Code :

SCL-429/111

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Description :

Logic Gate Apparatus (Product Code: SCL-429/111) is a logic gates experiment kit used to verify the truth tables of basic and derived gates in school and college electronics practicals. The modules are housed in a plastic box with their truth tables printed on them, and inputs andoutputs are brought out on 4 mm sockets in different colours. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Gates listed	AND, OR, NOT, NOR, Ex-OR, Ex-NOR (AND appears twice in the listing)
Housing	Plastic box
Markings	Truth table and necessary details printed on each module
Connections	Input and output through 4 mm sockets in different colours
Product code	SCL-429/111
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Logic Gate Apparatus Used For?

Students apply each combination of logic 0 and 1 to a gate through its input sockets, observe the output, and compare the result with the truth table printed on the module. Working through AND, OR and NOT first, then NOR, Ex-OR and Ex-NOR, shows how derived gates behave, a core topic in senior secondary and first-year college digital electronics.

Because the modules connect through colour-coded 4 mm sockets, gates can be linked with leads to build simple combinations, for example showing that a NOR gate followed by a NOT gate behaves like an OR gate. Keep the sockets clean, insert and remove leads by their plugs rather than the wire, and return the modules to their box after each session, as with other electronic lab instruments.

What to Specify When Ordering

- Number of apparatus sets required for the lab
- Confirmation of the gate list: the listing names AND twice, so check whether a NAND module is included
- Connecting leads with 4 mm plugs, if not already available
- How the modules are powered, which is not stated in the listing

OEM Manufacturer

Jain Scientific Equipments Private Limited, which trades as ScienceLab, is the OEM (original equipment manufacturer) of this Logic Gate Apparatus. The modules are made and assembled at the c rect to sch eat order