

I 16 Line Demultiplexer IC 74154

High Performance Digital IC Trainer Panel

The 16 Line Demultiplexer IC 74154 trainer is designed to help students and professionals understand the operation and applications of the 74154 Demultiplexer IC in digital circuits.



16 Independent
Outputs (Y0 - Y15)



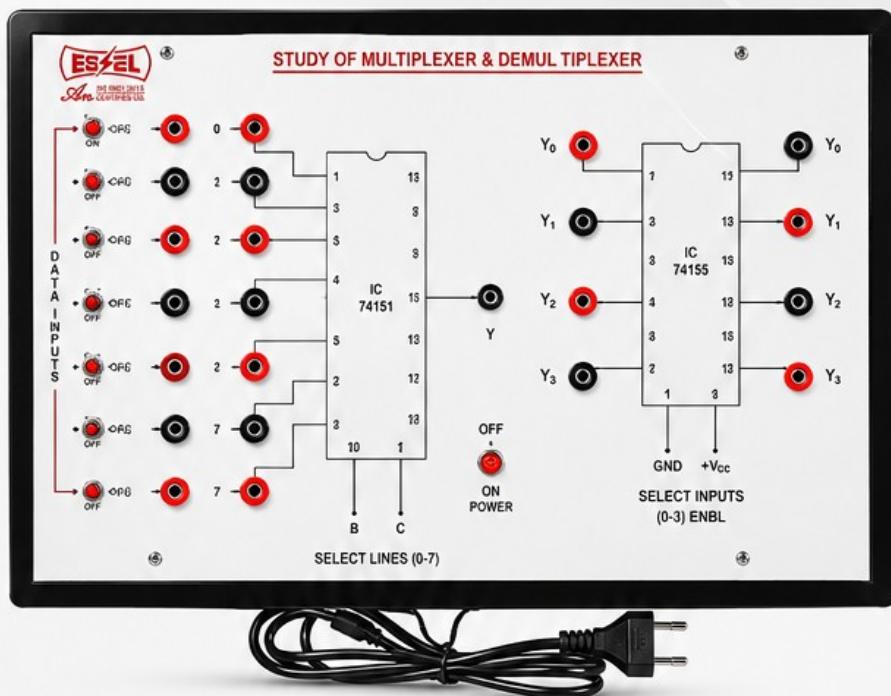
Active LOW Outputs



4 Select Lines
(A, B, C, D)



Ideal for Learning &
Testing Digital
Demultiplexing



ABOUT IC 74154

The 74154 is a high-speed CMOS 4-to-16 line demultiplexer/demodulator. It accepts 4 binary select inputs (A, B, C, D) and one enable input (G). When enabled (G = LOW), the binary code on the select inputs determines which one of the 16 outputs (Y0 - Y15) will go LOW, while all others remain HIGH.

It is widely used in memory decoding, data distribution, and digital system applications.

FEATURES

- ✓ Complete study of 16 line demultiplexer operation
- ✓ All 16 outputs available on panel for observation
- ✓ TTL compatible inputs and outputs
- ✓ On-board IC 74154 with proper connections
- ✓ High quality ABS panel with printed circuit diagram
- ✓ Ideal for educational, training & research laboratories

SPECIFICATIONS

	IC Used	74154
	Function	4-to-16 Line Demultiplexer / Demodulator
	Number of Outputs	16 (Y0 - Y15) Active LOW
	Select Inputs	4 (A, B, C, D)
	Enable Input	1 (G) Active LOW
	Supply Voltage	+5V DC
	Operating Voltage Range	4.5V to 5.5V DC
	Input Levels	TTL Compatible
	Output Drive Capability	Standard TTL Load
	Operating Temperature	0°C to +70°C
	Panel Dimension (Approx.)	360 mm (W) x 220 mm (H) x 50 mm (D)
	Weight (Approx.)	1.2 kg (Approx.)

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