



**[1] The unit consists of a metal housing including the usual working elements, such as:**

- Food;
- Signal generator;
- Place for pre-mounted plug-in breadboards;
- Plate for experimental assembly without soldering;
- Metal bracket provided for mounting potentiometers, displays, connectors, etc.;
- Plate with switches for setting logic levels, logic displays, BCD encoder wheels, push buttons, etc.

**[2]** A series of pre-assembled experiment cards are provided, to cover the study topics listed below.

**[3] Logic gates and functions:**

- AND, OR, NOT, NAND, NOR gates
- Boolean algebra, logical functions, reduction;
- De Morgan's theorem, Karnaugh maps;

**[4] Combinational circuits:**

- BCD/Decimal and Decimal/BCD encoding converters;
- 4-bit logic comparator;
- 4-bit logic adder;

*Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.*



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- Digital display: 7 segments.

**[5] Sequential logic:**

- Counters and down-counters;
- Shift registers;
- RS, T, JK flip-flops;
- Multifunction counting IC;
- 7-segment display.

**[6] Digital Circuit Board:**

- 6 x 16-pin sockets;
- 2 x 18-pin sockets;
- 1 x 24-pin socket;
- 1 display, 4 digits, 7 segments.

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