



DIGI BOARD 2

Power Supply

- **Input Voltage:** 230 V AC / 115 V AC (110 V AC)
- **Frequency:** 50 ... 60 Hz
- **Power Consumption:** approx. 30 VA
- **Integrated DC Output:**
 - +5 V DC / max. 1 A (internal modules)
 - +5 V / 0.5 A (external equipment)

Key Features

- Integrated functional blocks for conducting experiments in digital and microcomputer technology
- Can be used as desktop, rack-mounted, or portable training unit
- Quick setup with 2 mm connection technique
- Adapter included for SUB-D (25-pin) computer interfacing
- Compatible with add-on plug-in modules and IC boards
- Suitable for student labs, technical training, and demonstration setups

Functional Groups

Input/Output & Display

- 2 Keyboards with 4 L/H pairs each
- LED Display in Red, Yellow, Green (3 groups)
- 2-digit 7-segment display with dual/7-segment decoder

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



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- Hexadecimal/Dual Coding Switch
- HIGH/LOW logic level taps
- Adapter for SUB-D (25-pin) interfacing

Logic Components

- 8 AND Gates (with pull-up resistors; 1 disconnectable)
- 6 OR Gates (with pull-down resistors; 1 disconnectable)
- 3 AND/OR Combi-Gates
- 2 Inverters (open collector, pull-up resistors optional)
- 2 Schmitt Triggers (inverting)
- Antivalence and Equivalence Gates

Digital Circuits

- Clock Generator (crystal-controlled) with divider
- 4 JK Flip-Flops (also usable as RS)
- 4 D Flip-Flops
- 1-bit Comparator
- 4-bit Comparator
- 2 Adders (4-bit) with input/output carry
- Monoflop (settable: 0.1 s, 1 s, 5 s)
- 4-channel Multiplexer
- 4-channel Demultiplexer
- 4-bit Shift Register (serial/parallel, bidirectional)
- Binary Counter (4-bit, up/down)
- 4-bit ALU: 16 arithmetic + 16 logical operations
- Units Complement: negation of 4-bit binary number
- Static RAM: 8x4 (8 addresses, 4-bit data width)
- EEPROM 8x4: retains data approx. 1 hour after power-off
- AD/DA Converter: 4-bit

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Expansion Options

- Two slots for plug-in modules
- Compatible with universal PCBs, IC sockets, and housing kits
- Designed to support experiments beyond standard manual coverage

Recommended Accessories

- **Set of 2 mm Leads** (60 pieces)
- **Experiment Manual:**
 - Includes topics like:
 - Logic circuits, Flip-Flops
 - Triggers, Coders
 - Counters, Registers
 - Multiplexers
 - ALU operations
 - Memory & conversion circuits

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