

**Y-0016**  
**BASIC ELECTRICITY ELECTRONICS**  
**TRAINING SET MAIN UNIT**



Basic Electricity Electronics Training Set is a Main Unit, designed to do Applications in Analog (AC-DC) and Digital Circuits. The Set consists of Variable - Fixed Power Supplies, Function Generator, Pulse Generator, Fixed Oscillator and Application components to do Analog - Digital Circuits Applications.

2 mm sockets and 2 mm connection leads in different colors are used in the set.

A portable Breadboard is used in the set. If required Analog (AC-DC) and Digital Circuits Application Modules can be used instead of Breadboard.

The set is placed with cover in a shock proof separable case. It is designed for using horizontally and is suitable for storing vertically.

**TECHNICAL SPECIFICATIONS**

|                                 |   |  |
|---------------------------------|---|--|
| Supply Voltage                  | : | 220V AC / 50Hz $\pm$ 10%                           |
| DC Fixed Symmetric Power Supply | : | (-12V) - 0 - (+12V) DC / 1A / Electronic protected |
| DC Fixed Symmetric Power Supply | : | (-5V) - 0 - (+5V) DC / 1A / Electronic protected   |
| DC Variable Power Supply        | : | 0 - 36V / 0 - 1A / 3½ LED Voltage and Current      |
| AC Fixed Power Supply           | : | 12V - 0 - 12V AC / 1A / Electronic protected       |
| Function Generator              | : | Sine, Triangle, Square (TTL)                       |
| Amplitude Range                 | : | 0 - 10Vpp  |
| Frequency Range                 | : | 1Hz - 100KHz                                       |
| Fixed Oscillator                | : | 1Hz - 10Hz - 100Hz - 1KHz - 10KHz - 100KHz TTL     |
| TTL Pulse Generator             | : | Negative and Positive                              |
| TTL Pulse Generator             | : | Negative and Positive, One shoot                   |
| TTL Pulse Generator             | : | Set - Reset - Preset                               |

**APPLICATION COMPONENTS ON THE SET**

|   |       |
|---|-------|
| Binary Switch and Indicator, 12 Bit, TTL                    | 1 Pcs |
| 2x7 Segment Display / Decoder                               | 1 Pcs |
| 8 Bit Logic LED Indicator                                   | 1 Pcs |
| 12V DC Double-contact Relay                                 | 1 Pcs |
| Potentiometer (1K $\Omega$ - 10K $\Omega$ - 100K $\Omega$ ) | 3 Pcs |
| ON / ON Toggle Switch                                       | 1 Pcs |
| ON / OFF / ON Toggle Switch                                 | 1 Pcs |
| Buzzer  | 1 Pcs |
| 8 $\Omega$ 2W Speaker                                       | 1 Pcs |
| 12V Fleming Lamp  | 3 Pcs |

**COMPATIBLE MODULES**

- Y-0016 AC
- Y-0016 DC
- Y-0016 DIJ

**SYSTEM PRESENTATION**

|                      |   |  |
|----------------------|---|--|
| Main Unit            | : | 1 Pcs, (Dimensions 400mm x 45 - 120mm x 420mm), Metal Case |
| Bread Board          | : | 1 Pcs, 2800 holes, portable                                |
| 2mm Connection Leads | : | 24 Pcs, in 4 different colors                              |
| Power Cable          | : | 1 Pcs, IEC, 2m   |
| User Manual          | : | 1 Pcs  |

