

ELECTRONICS DEMONSTRATION CIRCUIT TRAINER

ST-4500



Features

- 24 experimental module and 52 experimental circuits
- Easy to form circuits due to printed circuits on the front panels
- Experiment of semi-conductor components and basic circuits
- Power and signal input by main supporting module
- Strong rack and aluminum profile

Technical Specification

| | | |
|-------------------|-------------------------------------|---|
| Main Body | DC Output | 3, 5, 6, 9, 12, 15 Dual output |
| | Decade Capacitor | 0.001[μ F] ~ 0.099[μ F] 2-Digit |
| | Decade Resistor | 1[k Ω] ~ 999[k Ω] 3-Digit |
| | | 100[Hz] ~ 10[kHz] (In2-Range) |
| | | Output - 1[V]/10[V] (In 2 Range) |
| | Multi Tester | Waveform - Sine and Square |
| | | DC Voltage 10 / 50 / 250 / 500V range |
| | | DC current 250 mA range |
| | | AC voltage 50 / 250 / 500V range |
| | | Resistance $\times 10 / \times 1K$ range Max 500 k Ω |
| | Battery check 1.5V/ 9V | |
| AC Output | 30[V] CT (15[V]+15[V]) 0.1[A] Max | |
| Variable Resistor | 1[k Ω] and 100[k Ω] | |
| Switch | Slide, Push, SPDT-Toggle | |


Experiment Board

| | | |
|-----------------------------|--|---|
| Experiment Boards (24ea) | Semiconductor characteristic experiment(7ea) | ① 4500 - 01 : Diode and Zener-diode Characteristic |
| | | ② 4500 - 02 : Transistor and Common Emitter Ground Characteristic |
| | | ③ 4500 - 03 : FET and MOS-FET Characteristic |
| | | ④ 4500 - 04 : SCR Characteristic |
| | | ⑤ 4500 - 05 : UJT Characteristic |
| | | ⑥ 4500 - 06 : Application of SCR and Triac |
| | | ⑦ 4500 - 07 : LED and Photo Device Characteristic |
| | Semiconductor circuit experiment(5ea) | ① 4500 - 08 : Base and Common Emitter Ground Amp |
| | | ② 4500 - 09 : DC Amplifier |
| | | ③ 4500 - 10 : Complementary Amplifier |
| | | ④ 4500 - 11 : Differential Amplifier |
| | | ⑤ 4500 - 12 : Operational Amplifier |
| | Electronic circuit experiment(12ea) | ① 4500 -13 : Active Filter Circuit (LPT, HPF, BPF) |
| | | ② 4500 -14 : Unregulated Power Supply |
| | | ③ 4500 -15 : DC Voltage Regulator |
| | | ④ 4500 -16 : Variable Voltage Regulator DC Power Supply |
| | | ⑤ 4500 -17 : Tank Circuit and Resonance |
| | | ⑥ 4500 -18 : LC Oscillator (Hartley, Colpitts) |
| | | ⑦ 4500 -19 : Crystal Oscillator |
| | | ⑧ 4500 -20 : Wine Bridge Oscillator |
| | | ⑨ 4500 -21 : Multi-vibrator (Ast, Mon, Bis) and Schmitt Trigger |
| | | ⑩ 4500 -22 : Timer IC Application |
| | | ⑪ 4500 -23 : Ramp generator |
| | | ⑫ 4500 -24 : Modulation and Demodulation |
| Board Storage Cabinet | 12 × 2 Cabinet | |
| | Movable cast | |
| | Locking system | |
| | Material: MDF | |