# ELECTRICAL INSTRUMENT TRAINING KIT

**Model Number:** GOTT-EIT-1550

**DESCRIPTION**

The experimental panel system "Electrical Instrument" is mainly used for the application of experimental electrical instrument for demonstration purposes in classrooms and lecture-rooms. The individual units of an experimental set-up are connected via 4-mm. safety sockets which are arranged in large, synoptically graphical symbols or current flow diagrams. Due to the vertical arrangement of the experimental panels, the experimental set-up can be seen from a far distance and can be adapted step by step to the course of the lessons or lectures.

**FEATURES**

- Various types of measuring meter up to 10 units for different operation
- Precise and accurate measuring instruments
- Works with basic instruments test and enable hand-on experience for students

## PRODUCT MODULE

<table>
<thead>
<tr>
<th>RESISTIVE LOAD</th>
<th>CODE</th>
<th>INDUCTIVE LOAD</th>
<th>CODE</th>
<th>CAPACITIVE LOAD</th>
<th>CODE</th>
<th>OHM METER</th>
<th>CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CODE 456-001</strong></td>
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<td><strong>CODE 456-002</strong></td>
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<td><strong>CODE 456-003</strong></td>
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<td><strong>CODE 456-009</strong></td>
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<tr>
<td><strong>Range:</strong> 210Ω, 390Ω, 470Ω, 860Ω</td>
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<td><strong>Range:</strong> 0.4H, 0.6H, 0.8H, 1.0H</td>
<td></td>
<td><strong>Range:</strong> 1μF, 2μF, 4μF, 8μF</td>
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<td><strong>Range:</strong> 0~1000Ω</td>
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<tr>
<td><strong>Protection Fuse 1A</strong></td>
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## FEATURES

- **AC VOLTOMETER**
  - **Code 456-005**
  - **Range:** 0~10VAC
  - **Accuracy:** Class 1.5

- **DC AMPEROMETER**
  - **Code 456-006**
  - **Range:** 0~100 mA
  - **Accuracy:** Class 1.5

- **AC AMPEROMETER**
  - **Code 456-007**
  - **Range:** 0~100 mA
  - **Accuracy:** Class 1.5

- **GALVANO AMPEROMETER**
  - **Code 456-008**
  - **Range:** -10 to +10 mA
  - **Accuracy:** Class 1.5

- **DC VOLTOMETER**
  - **Code 456-004**
  - **Range:** 0~10VDC
  - **Accuracy:** Class 1.5

- **FREQUENCY METER**
  - **Code 456-010**
  - **Range:** 45~55 Hz
  - **Accuracy:** Class 1.5

- **WATTMETER**
  - **Code 456-011**
  - **Range:** 0~500 W
  - **Accuracy:** Class 1.5
  - **Protection Fuse 1A**

- **VAROMETER**
  - **Code 456-012**
  - **Range:** 0~500 VAR
  - **Accuracy:** Class 1.5
## ELECTRICAL INSTRUMENT TRAINING KIT

**Model Number:** GOTT-EIT-1550

### POWER FACTOR METER
- **Range:** 0.5 Lag/Lead to 1
- **Accuracy:** Class 1.5
- **Protection Fuse:** 1A

### KILOWATT HOUR METER
- **Speed:** 1200 turn/1kW/Hour
- **Accuracy:** Class 1.5

### CURRENT TRANSFORMER
- **Current ratio:** 1A/0.5A, 2.5A/0.5A, 5A/0.5A

### POTENTIAL TRANSFORMER
- **Voltage ratio:** 110V/110V, 240V/110V, 415V/110V

### U-LINK
- **Description:** For connecting junction point

### SAFETY CONNECTING LEAD
- **Description:** 4mm connecting leads

### VERTICAL FRAME
- **Description:** High level: DIN standard A4 with two shelves
- **Material:** Aluminium
- **Side Frame:** T shape
- **Size:** 3-Layer 1450mm Length

### EXPERIMENT TOPICS:
- Understanding different characteristic of load
- Defining the AC and DC voltage
- Defining the AC and DC electrical current
- Defining the resistance of the circuit
- Ohm’s law
- Calculation on resistance, power and energy
- Defining the power factor for different load
- Current transformer versus potential transformer

### Manuals:
1. All manuals are written in English
2. Model Answer
3. Teaching Manuals

### General Terms:
1. Accessories will be provided where applicable.
2. Manuals & Training will be provided where applicable.
3. Designs & Specifications are subject to change without notice.
4. We reserve the right to discontinue the manufacturing of any product.

### Warranty:
- 2 Years

### ORDERING INFORMATION:

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*Proposed design only, subject to changes without any notice.*