This Modular Workbench is worked with GOTT-WB-1120 series training bench. With the combination either 3HU or 6HU, you can customize modular workbench to meet your requirement.

**DESCRIPTION**

The unit has been designed to provide all fixed & variable AC & DC supplies which are necessary in an electrical laboratory to perform the experiment required & work project. The unit is contained housing with clear front panel identification & 4 mm safety sockets that make it easy & safe.

**FEATURES**

- Modular system for individual solution in 19” industrial standard.
- Versatility through modular structure.
- End user can select 3HU or 6HU system with all the optional panel module

**OPTIONAL MODULES**

<table>
<thead>
<tr>
<th>BENCH TOP</th>
<th>CODE</th>
<th>BENCH FRAME</th>
<th>CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Student workbench top is constructed wholly of solid wood with 25mm thickness. Both surfaces are coated with scratch and heat resistant melamine resin. All edges of the table are protected by 3mm thick impact-resistance PVC band. Colour: Light Grey Dimension: 1800mm x 900mm x 18mm (T)</td>
<td>112-001</td>
<td>The bench frame is welded metal frame of rectangular steel tubing 40 x 40mm. Surface finished with baked epoxy powder. Approx. 50 to 70 micron thick. Suitable for mounting of bench top all feet are supported by height adjustable plastic</td>
<td>112-002</td>
</tr>
<tr>
<td>BENCH TOP CONSOLE (3HU)</td>
<td>CODE</td>
<td>BENCH TOP CONSOLE (6HU)</td>
<td>CODE</td>
</tr>
<tr>
<td>Bench top console, ready for mounting of channel housings to accommodate 19” devices with 3 height units. Equipped with 2 threaded inserts and guide rail for attaching panel frame or assembly grid to bench top console. Type I: Bench Top Console 1300mm (H)181 x 1300 x 185 x 180mm Type II: Bench Top Console 1500mm (H)181 x 1500 x 185 x 180mm Type III: Bench Top Console 1800mm (H)181 x 1800 x 185 x 180mm</td>
<td>112-003</td>
<td>Bench top console, ready for mounting of channel housings to accommodate 19” devices with 6 height units. Equipped with 2 threaded inserts and guide rail for attaching panel frame or assembly grid to bench top console. Type I: Bench Top Console 1300mm (H)334 x 1300 x 300 x 180mm Type II: Bench Top Console 1500mm (H)334 x 1500 x 300 x 180mm Type III: Bench Top Console 1800mm (H)334 x 1800 x 300 x 180mm</td>
<td>112-004</td>
</tr>
<tr>
<td>LABORATORY STOOL</td>
<td>CODE</td>
<td>SWIVEL CHAIR</td>
<td>CODE</td>
</tr>
<tr>
<td>With 330mm diameter rounded seat 25mm thick. Constructed wholly of solid hardwood with 330mm round seat supported on 25mm metal frame. Dimension: Ø330 x 610H in mm</td>
<td>112-006</td>
<td></td>
<td>112-007</td>
</tr>
<tr>
<td>LOWER CABINET</td>
<td>CODE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Constructed wholly of high-density chipboard or solid plywood 19mm thick except rear wall, which is 10mm thick. Laminated on both surfaces with maica or melamine resin with 0.5mm thick PVC band on all edges. All joints to be multiple dowelled with high-grade glue. Options to install unit either to the right, left or center of the bench frame. Lower Cabinet 3 Drawers: 3 organizational drawers fitted with a recessed handle Full extension All-metal safety lock</td>
<td>112-005</td>
<td>Central locking system Colour: Light grey / white Dimension: 430(W) x 560(D) x 610(H)mm</td>
<td></td>
</tr>
</tbody>
</table>
## OPTIONAL MODULES

### THREE PHASE COMPLETE MAIN SUPPLY UNIT
- **Fault Current Circuit Breaker 30mA**
- **Miniature Circuit Breaker 3P**
- **Motor Protection Switch 13-18A**
- **Isolator CAM Switch 3P**
- **Start & Stop Push Button**
- **Key Switch for Start Function**
- **Emergency Stop**
- **CEE Socket**
- **Universal Socket**
- **3-Phase Voltage Monitor Lamps**
- **4mm Output Safety Sockets**

### ADJUSTABLE THREE PHASE POWER SUPPLY UNIT
- **Fault Current Circuit Breaker 30mA**
- **Isolator CAM Switch 3P**
- **Protection Fuse for AC & DC**
- **Voltmeter & Ammeter for AC**
- **Voltmeter for DC**
- **3-Phase & DC Voltage Monitor Lamps**
- **Miniature Circuit Breaker for Direct Current**
- **4mm Output Safety Sockets**
- **Output: 0...240VAC x 3**
- **0...240VDC**

### ADJUSTABLE THREE PHASE AC & DC POWER SUPPLY UNIT
- **Fault Current Circuit Breaker 30mA**
- **Miniature Circuit Breaker 3P & 2P**
- **Voltmeter Rotary Switch TR-ST-RT-Off-RN-SN-TN**
- **Voltmeter & Ammeter for AC**
- **Voltmeter for DC**
- **3-Phase & DC Voltage Monitor Lamps**
- **4mm Output Safety Sockets**
- **Output: 0...240VAC x 3**
- **0...240VDC**

### THREE PHASE MAIN SUPPLY UNIT
- **Fault Current Circuit Breaker 30mA**
- **Miniature Circuit Breaker 3P**
- **Isolator CAM Switch 3P**
- **CEE Socket**
- **3-Phase Voltage Monitor Lamps**
- **4mm Output Safety Sockets**

### THREE PHASE MOTOR PROTECTION UNIT
- **Fault Current Circuit Breaker 30mA**
- **Motor Protection Switch 13-18A**
- **Isolator CAM Switch 3P**
- **CEE Socket**
- **3-Phase Voltage Monitor Lamps**
- **4mm Output Safety Sockets**

### SINGLE PHASE MAIN SUPPLY UNIT
- **Fault Current Circuit Breaker 30mA**
- **Miniature Circuit Breaker 1P**
- **Start & Stop Push Button**
- **Key Switch for Fault & Normal Mode**
- **Emergency Stop**
- **Monitor Lamps for Fault & Normal Mode**
- **4mm Output Safety Sockets**

### SINGLE PHASE MODE SELECT SUPPLY UNIT
- **Fault Current Circuit Breaker 30mA**
- **Miniature Circuit Breaker 1P**
- **Start & Stop Push Button**
- **Key Switch for Fault & Normal Mode**
- **Emergency Stop**
- **Monitor Lamps for Fault & Normal Mode**
- **4mm Output Safety Sockets**

### EXPERIMENT TRANSFORMER
- **Main Illuminated On/Off Switch**
- **Thermal Overload Contactor**
- **Bridge Rectifier for DC Output**
- **4mm Output Safety Sockets**
- **Output: 0...250V**
- **0...42V**
- **0...24V**
- **0...12V**

### DC TRACKING STABILIZER WITH SOCKET
- **BS Socket x 2 units**
- **DC Tracking Stabilizer**:
  - **Output: 0...30VDC/0...2.5A x 2 units**
  - **+5VDC (Fixed)**
  - **Protection: Short Circuit and Overload**
  - **Mode: Series, Parallel & Independent**
  - **4mm Output Binding Posts**
# MODULAR WORKBENCH (3HU) / (6HU)

**Model Number:** GOTT-WB-1120

<table>
<thead>
<tr>
<th>Module Type</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>THREE PHASE FCCB WITH EMO &amp; FUSE</strong></td>
<td>112-011</td>
<td>Fault Current Circuit Breaker 30mA Protection Fuse for Outputs Emergency Stop 3-Phase Voltage Monitor Lamps 4mm Output Safety Sockets</td>
</tr>
<tr>
<td><strong>SINGLE PHASE MOTOR PROTECTION UNIT</strong></td>
<td>112-016</td>
<td>Fault Current Circuit Breaker 30mA Motor Protection Switch 13-18A Key Switch for Off &amp; On Voltage Monitor Lamp for Off &amp; On 4mm Output Safety Sockets</td>
</tr>
<tr>
<td><strong>ADJUSTABLE SINGLE PHASE POWER SUPPLY UNIT</strong></td>
<td>112-019</td>
<td>Fault Current Circuit Breaker 30mA Protection Fuse for Outputs Voltmeter for AC &amp; DC 4mm Output Safety Sockets Output: 0...240VAC/DC</td>
</tr>
<tr>
<td><strong>AC VOLMETER &amp; AC AMMETER</strong></td>
<td>588-027</td>
<td>Measurement Mode: AC Voltage Ranges: 5V, 50V, 250V, 1000V Current Ranges: 1A, 5A, 25A</td>
</tr>
<tr>
<td><strong>DC VOLMETER &amp; DC AMMETER</strong></td>
<td>588-028</td>
<td>Measurement Mode: DC Voltage Ranges: 5V, 50V, 250V, 1000V Current Ranges: 1A, 5A, 25A</td>
</tr>
<tr>
<td><strong>AC &amp; DC POWER SUPPLY</strong></td>
<td>112-020</td>
<td>Miniature Circuit Breaker 1P AC &amp; DC Voltage Selector Voltmeter for AC &amp; DC Emergency Stop 4mm Output Safety Sockets Output: 0...240VAC/DC</td>
</tr>
<tr>
<td><strong>PC INTERFACE</strong></td>
<td>112-044</td>
<td>To provide the outputs from CPU, such as: Audio Out VGA Port Mouse (PS2) Keyboard (PS2) Serial Port USB Port x 2</td>
</tr>
<tr>
<td><strong>DC STABILIZER ±15V &amp; +5V</strong></td>
<td>112-024</td>
<td>Main Illuminated On/Off Switch Protection Fuse 4mm Output Safety Sockets Output: ±15VDC &amp; +5VDC</td>
</tr>
<tr>
<td><strong>VARMETER</strong></td>
<td>112-041</td>
<td>Protection Fuse for Meter 4mm Safety Sockets Can be connected with Resistor Module, Capacitor Module &amp; Inductor Module to measure Var</td>
</tr>
<tr>
<td><strong>KILOWATT METER</strong></td>
<td>112-043</td>
<td>Protection Fuse for Meter 4mm Safety Sockets Can be connected with Resistor Module, Capacitor Module &amp; Inductor to measure Power</td>
</tr>
<tr>
<td><strong>THREE PHASE FCCB</strong></td>
<td>112-012</td>
<td>Fault Current Circuit Breaker 30mA 3-Phase Voltage Monitor Lamps 4mm Output Safety Sockets</td>
</tr>
<tr>
<td><strong>THREE PHASE OUTPUT TERMINAL</strong></td>
<td>112-026</td>
<td>Isolator CAM Switch 3P 3-Phase Voltage Monitor Lamps 4mm Output Safety Sockets</td>
</tr>
</tbody>
</table>
MODULAR WORKBENCH (3HU) / (6HU)
Model Number: GOTT-WB-1120

SINGLE PHASE CEE SOCKET WITH MCB
- Code: 112-028
- Miniature Circuit Breaker
- Individual CEE Socket On/Off Selector
- CEE Socket 3 Pins

THREE PHASE 45/90 SUPPLY UNIT
- Code: 112-013
- Isolator CAM Switch 3P
- Protection Fuse for Outputs
- 3-Phase Voltage Monitor Lamps
- 4mm Output Safety Sockets
- Output: AC: 3x90V/1.5A with 3 center taps 45V DC: 220V/1A

DC POWER SUPPLY
- Code: 112-022
- Main Illuminated On/Off Switch
- Protection Fuse
- 4mm Output Safety Sockets
- Output: 0...30VDC
- ±15VDC (Fixed)

POWER FACTOR METER
- Code: 112-042
- Protection Fuse for Meter
- 4mm Safety Sockets
- Can be connected with Resistor Module, Capacitor Module & Inductor Module to measure Power Factor

ELECTRICAL LOADING UNIT
- Code: 112-045
- Main Illuminated On/Off Switch
- Protection Fuse
- 4mm Safety Sockets
- Resistance can be selected via switches

ANALOG VOLTAGE & CURRENT METER
- Code: 112-040
- Analog Panel Voltmeter & Ammeter
- AC Voltage & Current Measurement
- DC Voltage & Current Measurement

BS SOCKETS WITH MCB
- Code: 112-029
- Miniature Circuit Breaker
- BS Socket x 2 units

DC STABILIZER ±15V & +12V
- Code: 112-025
- Main Illuminated On/Off Switch
- 4mm Output Safety Sockets
- Output: ±15VDC & +12VDC

BS SOCKET WITH MCB
- Code: 112-030
- Miniature Circuit Breaker
- BS Socket

BS SOCKETS WITH EMO
- Code: 112-031
- BS Socket x 2 units
- Emergency Stop

THREE PHASE CEE SOCKET
- Code: 112-027
- CEE Socket 5 Pins
### MODULAR WORKBench (3HU) / (6HU)

**Model Number:** GOTT-WB-1120

**ORDERING INFORMATION:**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>MODEL NUMBER</th>
<th>CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>MODULAR WORKBench (3HU) / (6HU)</td>
<td>GOTT- WB-1120</td>
<td>112-000</td>
</tr>
</tbody>
</table>

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

---

**TWIN BS SOCKET**

**CODE 112-032**

Twin BS Socket

**BS SOCKETS**

**CODE 112-033**

BS Socket x 2 units

**SCHUKO SOCKETS**

**CODE 112-034**

Schuko Socket x 2 units

**EMERGENCY STOP PUSH BUTTON**

**CODE 112-035**

Emergency Stop to Trip Fault Current Circuit Breaker

**ON & OFF PUSH BUTTON**

**CODE 112-036**

On & Off Push Button with NO & NC Contacts

**CURRENT FLOW BOARD**

**CODE 112-037**

4mm Safety Sockets

**SINGLE PHASE FCCB**

**CODE 588-031**

Leakage Current: 30mA
Output: 240VAC
Input: AC 240V, 50Hz 1-Phase

**VERTICAL FRAME**

**CODE 297-000**

High Level: Din Standard A4 with two shelves
Material: Aluminium
Side Frame: T shape
Size: 3-Layer 1450mm Length

**SAFETY CONNECTING LEAD**

**CODE 237-001**

4mm connecting leads

**EXPERIMENT MANUAL**

**CODE 112-046**

---

**Manuals:**

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

**General Terms:**

1. Accessories will be provided where applicable.
2. Manual & Training will be provided where applicable.
3. Design & specifications are subject to change without notice.
4. We reserve the right to discontinue the manufacturing of any product.

**Warranty:**

2 Years