



## Electrical Test Bench

### ETB – Non Elevated Series

\*This image is for marketing purposes; the actual instrument may vary slightly\*



#### Test Bench

- Size: 1500 x 1000 x 1460 mm (LBH)

#### Work Table

- Work table frame structure is made up of 40 mm powder coated mild steel square tube
- Work table top is made up of 25 mm thick chip board
- suitably laminated & post formed
- Size: 1500 x 1000 x 780 mm (LBH)

#### Bench-top panel

- The bench top panel is constructed with 19 mm thick chip board suitably laminated
- The front plates are fixed with top and bottom profile run throughout the panel length
- The Front plates are made up of 3 mm high quality aluminum cut sheets pasted with 0.3 mm aluminum printed sticker with names, indication, cutouts, etc.
- All the instruments of different sizes and weights are duly mounted in the panel with good mounting base plates, fixtures as required with suitable cut outs for easy frontal operations
- For others like switch, socket, MCB, etc. are mounted or fixed by fixtures as required with making suitable cut outs for easy frontal operations
- The electrical wiring is done as per the standard practice by using quality wires, crimping legs and proper ferruling for easy identifications and troubleshooting in the future
- The pneumatic tubing is made by using PVC or Nylon hose or Copper or SS material depending upon the pressure rating. Normally, PVC or Nylon hoses are used according to the withstanding rated pressure
- Back of the panel are made up of 19 mm chip board
- with inserted perforated mild steel ventilator arrangement with hinge, lock and key
- The back doors are easily openable for cleaning and fault finding or any other service requirements
- Size: 1500 x 450 x 680 mm (LBH)

#### Under Bench Cabinet

- Under bench cabinet is made up of chip board suitably laminated and fascia
- Storage space with lockable drawers - 2 nos., cupboard - 1 no. for keeping necessary stationary items / tools and tackle, etc
- Size: 420 x 460 x 685 mm (LBH)

#### Three Phase Mains Power Supply

- 400 VAC, 50 Hz three phase mains power supply
- Residual current circuit breaker (for operators safety)
  - Rated fault current: 30 mA
  - Rated Current: 40 A
  - No. of poles: 4
- 400 VAC / 15A Unregulated power supply with plug and sockets
- Miniature Circuit Breaker (for operators safety)
- R, Y, B Power On Lamp
- With 5 meters power cable to connect the input supply of the test bench

#### Three Phase Variable AC Power Supply

- Miniature Circuit Breaker (for operators safety)
  - Voltmeter
  - Ammeter
  - R Y B N E
- Industrial Plug and Sockets
- Switch to increase and decrease the variable auto-transformers
- Three Phase motorized variable auto- transformer (fully enclosed and kept beneath the test bench)
- Input 400 VAC, 50 Hz
- Output: 0 to 470 VAC / 8 A

#### 230V AC Socket Panel

- Universal AC Socket
- 230 VAC / 15 A
- On-off switch with illumination

#### 110V AC Socket Panel

- Universal AC Socket
- 110 VAC / 2 A
- On-off switch with illumination
- Step down Transformer (PRI) 230 VAC / 50 Hz (SEC) 110 VAC / 2 A placed inside the bench top panel



# R&D Instrument Services

## Single Phase Variable AC Power Supply

- Miniature Circuit Breaker (for operators safety)
- Voltmeter\*  $\square$  Ammeter\*  $\square$  Socket
- Variable autotransformer (fully enclosed and kept inside the benchtop panel)
- Input: 230 VAC, 50 Hz
- Output: 0 to 270 VAC / 8 A

## Variable DC Power Supply

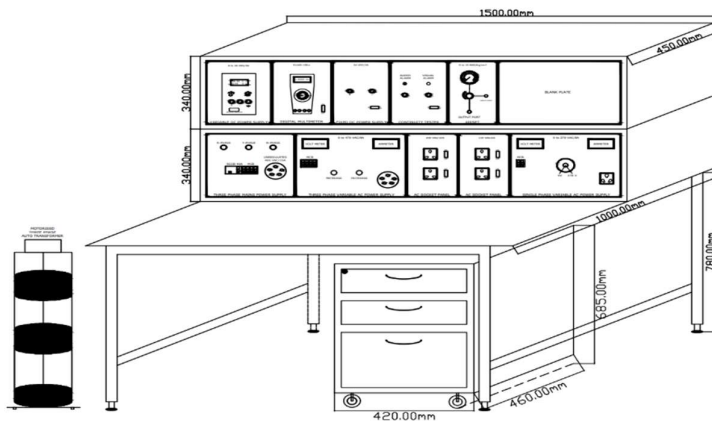
- Variable Output Range: 0 to 30 V DC
- Variable Current Range: 0 to 5 A
- Power Supply: 230 VAC, 50 Hz

## Digital Multi-meter\*

- 4.5 digit multi-meter
- Measurements of AC/DC voltage and Current, Resistance, Capacitance, Frequency with audible continuity test facility
- Power Supply: 230 VAC, 50 Hz
- On- off switch with illumination
- Power Supply prewired 5 VDC / 1 A Adaptor
- (kept inside the bench top unit)

## Fixed DC Power Supply

- 230 VAC, 50 Hz prewired with On O f f s w i t c h illumination
- 2 4 V D C / 2 A O u t p u t p o r t through banana socket



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**Manufacturer of Test benches  
Calibration Instruments**

## Continuity Tester

Power Supply: 230 VAC, 50Hz

- On- off switch with illumination
- Power Supply p r e w i r e d 2 4 V D C / 1 A Adaptor
- Audio as well as v i s u a l a l a r m through output banana socket.

## Air Set

- Pressure gauge: 0 to 10 Bar or kg / cm<sup>2</sup>\*
- Pressure Regulator
- Output port through quick connectors
- Input connected from the front side of the panel

## Blank plate

- For future add on, if any

## Accessories

- Necessary test leads to connect the input and output of the power supplies, multi meter and continuity tester
- Hose and connectors for air set

\* Accredited (NABL) Calibration Certificate as per ISO/IEC 17025 Standard

## OPTIONAL

- Rubber Mat
- Star-Delta Starter
- DOL Starter
- Function Generator
- IC Tester
- LCR Meter
- Oscilloscope
- Decade Resistance Box
- Soldering / De-Soldering Stations
- Anti-Static / ESD Facility
- Calibration Management Software
- Space for Computer Systems
- (CPU, Monitor, Keyboard, Mouse & Printer)
- Mobile / Stationery Under bench Cabinets