

Specification

| Assembly | Table made from 3 sub assemblies a) Bottom stand Pi type structure with table top, drawers etc. b) Hind rectangular box, also called as switch box, to hold $1 \mathrm{ph} . \& 3 \mathrm{ph}$.power sources etc. C) Optional top side rectangular box mounted on top of hind or switch box to house various instruments like CRO, FG, \& power supplies etc. |
| :---: | :---: |
| Frame | 16 gage MS square tube (Heavy duty) Color: Brown/off white powder coating, optionally with sturdy aluminum profile frame. |
| Table top <br> Material/Colour | The nova pan or Rubber wood with white / silver gray colour \& smooth finish, Veneer finish table top (18 mm thickness) |
| Drawer | Drawers to have position options: Horizontal (optional) or vertical (Default). Horizontal drawers have restriction of height else they will obstruct knees of tall person while sitting in front of tab •Vertical drawer has limitation of no. Of students which can be accommodated in front of table i.e. only one but advantage here is bottom drawer can be heighted - Out of 3 drawers, one is open type \& would double up as PC keyboard drawer with mouse pad on its side. Other two |
|  | drawers are closed type, lockable. Of these two. bottom drawer has double height to accommodate tall (pneumatic / hydraulic) components. • Pull out writing pad provided above upper drawer on right hand side of table. • Dimensions Upper Drawer : 600mm (L) X 400 (W) X 200mm (H), Tall Drawer : 600mm (L) X 400(W) X 20mm (H), Open Drawer $: 700 \mathrm{~mm}(\mathrm{~L}) \mathrm{X} 400 \mathrm{~mm}(\mathrm{~W}) \mathrm{X} 045 \mathrm{~mm}(\mathrm{H})$, Writing pad : 335mm (L) X 300mm (W) X010 0mm (H) |
| Bottom Legs | Four rubber bottom legs are provided support the table optionally Castor wheel with locking mechanism is provided so . that table can be easily moved. |
| Dimensions <br> Electrical | Overall: 1200 mm (L) X 750 mm (W) X 1325 mm (H), Nt. Wt. 190kg, Gr. Wt.230kg <br> Hind (Switch) box with screwable hind side panel to faclitate wiring \& controlling 6 separate sets of 5 Amp switch \& 5 pin 3 phase proof protective Socket with 4pole MCB Neon indicator provided on the facing panel of switch box. |



Note: Specifications are subject to change.

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Order Code - 78004 \& 78005 Electronics/Electrical Work Bench

| Name of Specs | Model 78004 Electronics Bench | Model - 78005 Electrical Bench |
| :---: | :---: | :---: |
| DC Power supplies | Regulated DC Power supply : XPO RPS consisting of 2 Meters select to read voltage/current of each output for dual Power supply (0 30V). Ripple \& Noice : <2mVrms Output current: max rated Current with over load RED LED indication. Regulation : Line : $<0.01 \% 2 \mathrm{mV}$ for load change from zero to full load Ripple \& Noice : $<1 \mathrm{mV}$ rms max Indication, Constant Current Mode output Range :0 to RATED CURRENT continuously adjustable Regulation. Line $<0.1 \%+250 \mathrm{uA}$ for $+10 \%$ change in line. Load : $<0.1 \%+250 \mathrm{uA}$ for change in output voltage from 0 to max. | 1) Regulated DC Power Supply: XPO RPS Cosisting of 2 meters select to read voltage/current of each output for dual power supply (0-30V). Ripple \& Noise: <2mVrms output current : Max rated current with over load RED LED indication. Regulation: Line $<0.01 \% \pm 2 \mathrm{mV}$ for $10 \&$ change in line, load: $<0.01 \% \pm 2 \mathrm{mV}$ for load change from zero to full load Ripple \& Noise: $<1 \mathrm{mV}$ rms max Indication. <br> 2) $\mathbf{3}$ phase Auto Transformer: 0 440B / 5A Voltage : 0 440V., Current: 5A <br> 3) Unregulated variable DC supply $0300 \mathrm{VD} / 5 \mathrm{~A}$, Voltage : 0-300VDC variable current 5A |
| Multifunction Meters | 3 3/4 Digital multimeter (DMM) Model Name : <br> DM97 <br> TECHNICAL SPECIFICATION: 3/4 Digital multimeter, 4000 Counts, Large LED Display with Auto/Manual Range, power off under natural operation. Data Hold, Max,.<in. Value Hold, Capacitance, Frequency / Duty Cycle, Temperature and Transistor Test Transistor Test <br> TECHNICALDATA | A] Multifunction 1 phase Meter <br> Aux Supply : 230VAV50MHz, Voltage : 0 to 300 V <br> Current : 1A/5A range, Display: LCD Display <br> CTR : 10/1A <br> Measurement : V,A,Hz,PF,KVA, KVar, Energy <br> Termination : SBSS Terminals <br> B] Multifunction 3 Phase Meter <br> Connection: 3phase 3/4wire, Volts Input : <br> $400 \mathrm{~V} / 230 \mathrm{VCA}$ <br> Aux Supply : 230VCA, $45,65 \mathrm{~Hz}, 5 \mathrm{~W}$, Display : LCD <br> Display <br> CT Input : 5A, 0.1VA/Ph, Measurement : <br> V,l,Hz,Pf,KVA,K Var,KWh, Computer Input : Modbus <br> RTU RS 485, Termination : SBSS Terrminal |
| Measuring Instruments | A] 25 MHz Colour LCD Digital Storage oscilloscope Sampling: ACQU Mode: Sample, Average Sampling Rate100MS/s. <br> Input Coupling: <br> DC, AC, Input, Impedance : $1 \mathrm{M}_{-} \pm 2 \%$, connect-ed with $20 \mathrm{pF} \pm \mathrm{pF}$ in parallel., Max Input voltage Level : 300 V , Peak value. Sampling Rate Range :10S/s~100MS/S <br> Record Length: <br> 6000 sampling points per channel <br> Scanning Speed Range (s/div) : <br> $5 \mathrm{~ns} / \mathrm{div} \sim 5 \mathrm{~ns} / \mathrm{div}$, according to the stepping mode of 1- <br> 2.5. Measuring accuracy of time. <br> Display Type: <br> 7.8" Colored LCD (Liquid Crystal Display) Display <br> Colors 56 Colours. Power Mains voltage : 100~240 VAC RMS, 50 Hz . <br> Accessories: 1) Mains cord: 01 Nos 2) X1, X10CRO Probe:02Nos 3) Aligner: 01 Nos 4) USB Cable: 01 Nos 5) Manual: 01Nos <br> B] $3 \mathbf{M H z}$ Function Generator with 50 MHz <br> Frequency counter <br> Sine, Triangle, Square, duty cycle. Pulse and Ramp. Wide frequency ranges. Frequency/Universal counter \& voltmeter. With internal \& external frequency counter upto $50 \mathrm{MHz}, ~ A M / F M$ Frequency Range : 0.03 MHz to 3 MHz . aveform: Sine square, Triangle, Accuravy+1\% plus 1digit, Maximum Output level : $20 \mathrm{Vpp} \& 10 \mathrm{Vpp}$ into 50 W , Sine wave Disttion : $<1 \%$ typical $<100 \mathrm{KHz} ; 3 \%>100 \mathrm{KHz}$ | C] Input 3 Phase DOL Starter panel (EMT1) (10 Shrouded Banana) 4 Pole MCB of 415 V/4A. 4 DOL 9A Contactor with $230 \mathrm{~V} / 50 \mathrm{~Hz} / 11 \mathrm{VA}$ COIL. Bimetallic thermal O/L relay with range $1.4 \mathrm{~A}-2.3 \mathrm{~A}$ |

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