



Features

Perforated Sheet for hanging tools and other accessories, 2 Nos of exhaust fan is provided for better ventilation and heat distribution, Workstation has got 4 points AC input sockets and Switches for Additional instruments connections on the Work area.

Two suitable students Stools/chairs will be provided for the students to perform their experiments by sitting.

Workstation has got the unique identification number and centralised monitoring and control facility by instructor remotely, workstation has got the facility to identify and alert the physical and Mechanical damage over cloud/text to instructor and maintenance team.

Top of the working area is covered with Anti-static mat

Work bench consist of following instruments with centralised control

1. Digital Storage Oscilloscope: 100MHz Bandwidth, Four-channel digital storage oscilloscope, Memory depth of digital channel of up to 24 Mpts, real-time sample rate of up to 2 GSa/s, 7-inch WVGA (800×480) TFT LCD, intensity graded colour display, with the option of Integrated 2 Channel full function 25MHz generator, 30,000 wfms/s Waveform Capture rate, Multi-Level intensity graded display, Serial Triggering and Analysis Options, Low noise floor, vertical scale range: 1 mV/div to 10 V/div, 4 Nos of Passive probes, Real-time waveform recording and playback functions (up to 60,000 frames).
2. DC Power Supply: Output voltage range: 0-50.00V with 0.01V resolution, Output current range: 0-5.000A with 0.001A resolution, Output power range: 0-250.0W, Display Screen: seven-segment display for display of voltage, current, power and other set parameters, CC and CV facility. Fixed voltages: +/-5V DC, +/-12V DC, +/-15V DC.
3. Function-Pulse Generators with Frequency Counter: Frequency Range 0.3 Hz – 10 MHz, Sine, Square, Triangle, Ramp, Pulse and TTL outputs 20 Vpp output and DC Offset 40 MHz Frequency Counter Rise time & Fall time ≤ 50 ns Digital Readout with backlit Color LCD TTL output 50Ω Output Impedance. Modulation FM, PM, AM, PWM, FSK, ASK, PSK.
4. Soldering Station: 170 to 270 V, Temperature range: 180 to 480 °C Temp stability: $\pm 10^\circ\text{C}$ Temp accuracy: $\pm 1^\circ\text{C}$ of tolerance, Set / Read of temperature Control facility, Password protection facility to stop tampering with set temperature, Burn proof silicon cable with thermal resistance up to 600 °C. Power rating: 60W.

Soldering smoke absorber: Adjustable arm for fan ESD Safe The extractor filter active with carbon

Note: Specifications are subject to change.

5. Meters:

- Analog
 - ♦ 2 Nos of 0-100mV DC Voltmeter and 2 Nos of 0-100V DC Voltmeter
 - ♦ 2 Nos of 0-10mA DC Ammeter and 2 Nos of 0-1A DC Ammeter
- Digital
 - ♦ 2 Nos of 0-100mV DC Voltmeter and 2 Nos of 0-100V DC Voltmeter
 - ♦ 2Nos of 0-10mA DC Ammeter and 2 Nos of 0-1A DC Ammeter
 - ♦ Energy Meter: 1 No of Single phase Energy Meter
 - ♦ 1 No of 3 phase Energy Meter.
- Digital Multimeter (1 No)
 - ♦ Auto Ranging 4 1/2 Digit,
 - ♦ DC Voltage: 0.1mV ~ 1000V,
 - ♦ AC Voltage: 0.1mV ~ 750V,
 - ♦ DC Current : 0.1 uA – 20A,
 - ♦ AC Current: 0.1 uA – 20A,
 - ♦ Resistance, Capacitance, hfe test facility,
 - ♦ Frequency: 0.1Hz ~ 30MHz,
 - ♦ Standard Accessories: Test leads, holster, manual, TP 01
 - ♦ temperature probe.
 - ♦ Digital Clamp Meter
 - ♦ Current Range: 0-1000A AC, V
 - ♦ voltage Range: 0-1000V
 - ♦ AC and DC, 3 1/2 digit digital display.

Work bench consist of following instruments with centralized control

Note: The instruments/equipment and size of the workstation will be customizable as per the customer requirement.

Note: Specifications are subject to change.

