

LD20 | BASIC ELECTRONIC WORK BENCH



Technical specifications :

The work bench consists of a solid metal frame and of a wooden work surface where the power supplies and measuring instruments unit is mounted. The total dimensions of the work bench are: length 2m, width 0,85m, total height 1m and the total height up to the work surface is 0,80m.

The metal frame of the work bench is made of a reinforced plate with dimensions 30x50mm with each part welded to the other and it is dyed by an electrostatic method. The upper frame of the work bench, where the work surface is mounted, is also made of a reinforced plate.

The metal legs are welded to the rest of the frame. At the lower part the legs are attached to each other with a metal traverse for the secure support of the work bench.

The work surface is 3cm thick and made of a woodchip board that is coated by a fireproof surface pressed to it. This surface cannot be scarred or destroyed by the students and has the front edge curved as produced by the factory.

This surface type (CURVA) due to its long durability and its particular aesthetics is widely used for kitchen work benches.

The power supplies and measuring instruments' metal console has dimensions: length 1,70m, width 0,20m at the top, height 0,21m.

The power supplies' metal unit is dyed by an electrostatic method and is constructed so as to provide safety by blocking the interference of the students.

The front as well as the back can be removed in order to access the power supplies and the measuring instruments. At the front there are also imprints of all the necessary technical specifications as well as the following outputs, components and measuring instruments :

- A power on key switch for the safe supply of the work bench
- A circuit breaker switch with a 230VAC indication lamp
- A panic button
- A circuit shunt relay for electric shock protection

- Six (6) schuco sockets with lids, each socket with a separate circuit breaker and with an operation indication lamp
- A variable output power supply 0-30VDC / 3A regulated, with a panel voltmeter and a panel ammeter, with electronic protection against short circuits or overloads
- A regulated (symmetric) power supply +/-5VDC / 1A and +/-12VDC/1A, with electronic protection against short circuits or overloads and an indicating LED at each output.
- An AC voltages power supply providing 2x6V and 2x24V, for a 2A current at each output, with an electronic protection circuit, against short circuits or overloads, for the transformer's protection and an indicating LED at each output.
- Each power supply operates with a 230V line voltage provided by a separate transformer, with a separate power supply switch and a separate indicating LED.
- Furthermore the 2 x 6 V and 2 x 24 V outputs are provided by independent windings of the transformer, so as to provide the ability of a combination for the supply of other voltages as well, for example 30V, 36V etc.
- All the necessary circuit imprints & an operation manual are provided.

The work bench components are of top quality, long durability and safety, for example industrial type sockets made in Germany for a 16A current, metal LED cases, screw able circuit breaker cases etc.