

TABLETOP POWER SUPPLY UNIT FOR ELECTRIC MEASUREMENTS AND MACHINES

Mod. AV-4/EV

MS

INTRODUCTION

This power supply unit is the ideal solution for the implementation of experimental programs of general electric measurements and of measurements applied to electric machines.



TECHNICAL SPECIFICATIONS:

Mechanical characteristics:

Box made of sheet steel and sections, chemically treated and painted with epoxy varnish; silk-screen-printed fore plate of aluminium alloy with flush-mounted handles for transport.

Electric characteristics:

Main control device

of electro-magnetic type, with extra-low voltage (24 Vac) and possibility of including external protection devices such as thermal protectors and speed limiters of motors. Magneto-thermal differential circuit breaker of high sensitivity in class A, $I_n = 16$ A; $I_{dn} = 30$ mA. Key selector, emergency pushbutton and LED for signalling unit powered by the mains.

Service line with three-phase and single-phase socket

protected by four-pole magneto-thermal differential circuit breaker ($I_n = 10$ A), 5 safety terminals for plugs with diameter of 4 mm, universal (Unel and 2-pin) single-phase socket with neutral conductor and earth (standard IEC 309 or EEC socket) and LED for signalling unit powered by the mains.

Fixed line of 220 Vdc – 20 A,

with voltage rectified by double three-phase bridge, AC residue of 4.2%. Line protected by three-pole magneto-thermal circuit breaker and by fuses in bridge output, 2 safety terminals for plugs with diameter of 4 mm and LED for signalling unit powered by the mains.

Variable three-phase line with neutral conductor of 0-430 Vac 8 A / 0-500 Vdc 8 A

Three-phase voltage regulator with input of 400 V and variable output of 0-430 V, rated current of 8 A, selector of AC / DC output and LED for signalling unit powered by the mains. AC line variable from 0 to 450 V, protected by fuses, 5 safety terminals for plugs with diameter of 4 mm. DC line variable from 0 to 500 V, rectified by double three-phase bridge, AC residue of 4.2%, 2 safety terminals for plugs with diameter of 4 mm.

Dimensions: 600 x 500 x 500 mm

Net weight: 50 kg

POWER SUPPLY:

3 x 400 V / N / PE, 50-60 Hz, absorption 6 kVA.