

DPS-50

Constant Current Power Supply



DPS-50, DPS-50-C1

DPS-50 is an inexpensive and high performance constant current source suitable for small and medium sized electromagnets. Although the equipment is designed for the Electromagnet, Model: EMU-50, it can be used satisfactorily with any other electromagnet provided the coil resistance does not exceed 6W.

The current regulation circuit is IC controlled and hence results in the highest quality of performance. Matched power transistors are used to share the load current. The supply is protected against overload, short circuit and transient caused by the inductive load of the magnet.

Specifications

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|-----------------|--|
| Current Range | : Smoothly adjustable from 0-4A |
| Load Regulation | : 0.1% for load variation from 0 to max. |
| Line Regulation | : 0.1% for $\pm 110\%$ mains variation |
| Display | : 3½ digit, 7 segment LED DPM |
| Power | : 220V $\pm 10\%$, 50Hz |
| Weight | : 9Kg |
| Dimensions | : 335mm X 305mm X 155mm |

SES-CAMM Compatible (In DPS-50-C1 only)

This unit can also be connected to a PC through an interface module SES-CAMM. SES-CAMM is a computer aided module for connecting multiple subunits of experiment such as Hall Effect Setup to same interface on a computer. This feature is particularly useful in making this model compatible with computerized versions of complete experiments from our company.

