

MOD.3180

Electromagnetic brake

Provided with silk screened front panel and with 4mm CE safety sockets.

Complete with arms, weights, counterweight and level indicator.

For direct test on the brake of electric motors up to 0,6kW and 3000 Rpm.

Excitation voltage:
0-220Vdc

Excitation current:
0,2A

Braking power at 3000 rpm:
300W (continuous)
600W (discontinuous)
(Other power available: 1, 3, 8 kW, custom power on request)

Dimensions (LxWxH):
35x18x25 cm (without arms)

Weight:
10 kg



The electro-mechanic brake is used as a mechanical load for electrical machines in order to determinate the mechanical and the electro-mechanical characteristics of the motor under test.

It is provided with a rubber coupling sleeve that ensures the easy and silent coupling with the motor under test.

The protection accessories that will cover all the rotating parts to avoid any accident while the system is working, are given too.

An optional load cell can be mounted on the base plate side in order to detect the motor torque.

- Imprinted terminal boards with the synoptic.
- Base plate with four rubber feet.
- With coupling cog for easy engagement with other machines.
- Protection against thermal overload
- All connections on 4 mm safety sockets included thermal contact.
- Manual explaining theory and practice for laboratory experiment

Braking power and torque can be detected in two different way:

- 1- traditional way using arms, weight and counterweight
- 2- electronic way using the optional load cell or torque transducer to detect torque and speed on digital measure module 3180Cxx.

Didactical purpose

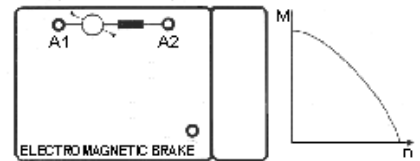
This device is used for mechanical and electro-mechanical characteristic detection of any motor to be test.

Thanks to its easy use, it is possible to detect the mechanical characteristic of a motor, that means the torque variation as function of the motor speed and the electro-mechanical characteristic that means torque, speed, input current, efficiency and power factor as function of the output power.

Options & accessories

Depending on the specific requirements of the application the machine can be provided with two shaft ends, with other power values and can be designed with the appropriate power and nominal speed. (Mod.3180 for 3000rpm and Mod.3180-4 for 1500 rpm).

A full range of accessories and options are available like measuring modules such as voltmeter, ammeter, power meter, connection cables and power supplies.



Torque meter
MOD.3180C



Rotating torque
transducer for torque
detection

