

## DIGITAL TORQUE METER SYSTEM With Load Cell

### MOD.3180C

#### General features

*This meter, applied to brakes, allows to measure the motor torque during the test and to read the torque and the speed values on the digital instrument display. For use with brake generator, electromagnetic brake or brake generator. Torque can be read in kgm. or Nm.*

#### Dimensions:

- LxWxH 25x27x15 cm.

#### Weight:

-6 kg.

#### The module includes:

- Rpm optical transducer
- Load cell : up to 5Nm

#### OPTION

- Digital torque meter
- Analog output 0-10V for torque transmission.



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The torque detection is made through the load cell placed under the brake that has the case oscillating on two ball bearings placed at the end of the shaft.

When loading the motor it is possible to observe the increasing of torque and decreasing of motor speed and consequently it's possible to calculate the given power variation.



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The load cell output signal reaches the torque meter that display the data according with its calibration.

The load cell is fixed on the side of the brake base plate so that, once the brake is excited, the case will press on the load cell fulcrum.

By pushing a key, display swap from torque to the speed (RPM) thanks to a high accuracy optical transducer.

