1. Major components

1.1 GW series Eddy Current Dynamometer

The system uses the eddy current dynamometer. The torque measurement uses high-precision tension/compression force transducer. The system measurement accuracy can be up to 0.2% FS. Speed measurement uses magnetic speed sensor and the system measurement accuracy is ±1 rpm.

1.2 JC series Torque Sensor and JW-3 Torque Meter

For the stall test in the motor test stand, because the dynamometer has no speed, so the torque cannot be loaded and cannot be measured. At this moment, the torque sensor is used to measure the static torque in stall test. The torque sensor and torque meter should be used together.
1. Major components

1.3 Dynamometer Calibration device

The static calibration is applied for dynamometer torque sensor.

Calibration device includes the calibration arm and standard counterweights. High accuracy of the calibration arm length, accurate weight hanging position and standard weight ensures the accuracy of the static calibration. The counterweight surface has blackening treatment and metered.
2. Foundation, Mechanical Installation Section

2.1 Shaft Protection Cover

2.2 Cast Iron Base Plate and Dampers

2.3 Shaft assembly and stall test tool

2.4 Test Motor Mounting Bracket
3. Control Units and Modules

- For fixing mounting Powerlink system components and control, monitoring and measuring equipment.
- Modular design provides extensive system expansion possibilities.
- The industrialized design of the operation ensures the best installation and service environment.
3. Control Units and Modules

3.1 FC2012 Dynamometer Control Unit

FC2012 uses full digital PID control method to adjust the load speed and torque and control the output of the converter. The actual torque and speed measurement values are received from the torque sensor. The difference between those values and the actual values are compared to adjust the output of the converter until the final target values are achieved.
4. Software (English interface can be selected)