



## Product Overview

### Motor Testing Equipment

- Torque: 0.002 N·m to 1,200 N·m
- Speed: 0 rpm to 100,000 rpm
- Power: 4 W to 140 kW
- DSP-based high speed controller
- Single and three-phase power analyzers
- LabVIEW™ based motor test software

### Custom Motor Test Systems

Designed specifically for your application with these component options:

- Custom Table or Cabinet
- Dynamometer(s) and Controller
- Customized Software
- Multiple Point Temperature Measurement
- Motor Fixturing
- Motor Power Supply (AC and/or DC)
- On-Site Services: commissioning and training

### Torque Transducers

- Torque and speed measurement
- High accuracy : up to 0.05%
- Torque range : 0.1 N·m to 200,000 N·m
- Contactless (no slip rings)
- Display unit : torque-speed-power
- Integrated analogic electronic (TM) or telemetry transmission (TF)
- Suitable for high speed applications up to 50,000 rpm
- Overload limit up to 400% before permanent deformation

### Load-Force-Weight Measurement

- Nominal value : up to 2,500 kN
- Accuracy class : < 0.5%
- Overload at rupture : up to 500%
- Test and certificate for component to CE standards and material certificate on request
- Signal conditioner :
  - Analog or digital
  - Inputs : up to 2 channels
  - Outputs : 0 to 10 V, 4 to 20 mA or bus interface
- Digital display

### Hysteresis Brakes and Clutches

- Torque : up to 26 N·m
- Speed : up to 25,000 rpm
- Power : up to 5,300 W (AHB)
- Air-cooled version (AHB) available for basic motor test rig configuration
- Standard or customized brakes and clutches available
- Power supplies, matched brakes, torque curves

### Displacement Transducers

- Accuracy : 0.3%
- Range : 50 mm to 1 m
- High shock and vibration resistance
- Ability to withstand pressure up to 450 bar
- Operating temperature : -40 °C to +80 °C with active temperature compensation
- High temperature version, up to 200 °C, available

