

## Stepper Motor Test System

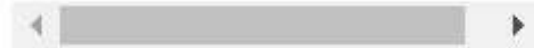


### Load-Sensor & Pulley Specifications:

Model	Load Sensor	Directly mounted on the shaft?	Pulley Pulley Load			Torque
			2-groove	3-groove	4-groove	
J-05H	05H	-	2-groove	2-groove	3-groove	200
J-06H	06H	-	2-groove	3-groove	3-groove	300
J-08H	08H	-	3-groove	3-groove	3-groove	400
J-10H	10H	-	2-groove	2-groove	3-groove	500
J-12H	12H	-	2-groove	3-groove	3-groove	600
J-15H	15H	-	3-groove	3-groove	3-groove	800

Torque = Load-Sensor Torque (N) × Pulley Radius (mm)

1. Torque will be related to motor shaft Radius.



### Profile:

With the unique application of Pulley loading, testing

A automatically obtains the full pull-in and pull-out torque curves with high accuracy.

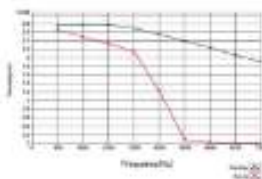
- Pull-in torque**  
 The maximum torque at which the motor can start from the holding state without losing steps for a given speed.
- Pull-out torque**  
 The maximum torque at which the motor can operate without losing steps for a given loading.

### Advantages:

- Minimal moment of inertia of the tester:**  
 By using the Pulley method, the measurement is not affected by the inertia and the coupling loss of the test system. Especially in the Pull-in test, there is more advantage.
- Wide Measuring Range**  
 By means of gears to adjust the proper torque and pulley.  
 The measuring Range is from 20 to 800mNm.
- Monitoring and analysis easier:**  
 Real-time display of testing results on the screen.  
 Data-File can be exported to Excel format.

### Measured Example:

- Pull-in & Pull-out Curve
- Motor Frequency V-test Torque



### Specifications:

NAME	Pulley Loading
LOAD-SENSOR	05H, 06H, 08H, 10H, 12H, 15H, 20H
MEASUREMENT	DC/AC loading
TORQUE PRECISION	±0.1% of torque range
MINIMUM ALLOWABLE LOAD	20mN.m (Stepping)
TORQUE MEAS. RANGE	1-Genus Rating (3-Genus, Dynamic) 2
DRIVE FREQUENCY RANGE	0-10000 Hz
DRIVE SIGNALS	Square wave/4-quadrant Tri-wave/stepping or open-collector signal
OPERATING SYSTEM	Microsoft Windows
POWER SUPPLY	Single-phase AC/200V only / 50/60Hz/10A Single-phase AC/200V only / 50/60Hz/10A

