

Tiny Motor Dynamometer Test System



Load-Sensor & Pulley Specifications :

Model	Load Sensor	Directly measured on the shaft's	Pulley (Radius: mm)			
			3-groove	groove	smooth	mm
JH-200	20N	-	2.5mm	5mm	10mm	20
JH-40	4N	-	2.5mm	5mm	10mm	20
JH-10	1N	-	5mm	10mm	20mm	40
JH-5	5N	-	2.5mm	5mm	10mm	100
JH-20	20N	-	5mm	10mm	20mm	100
JH-100	100N	-	5mm	10mm	20mm	400

Torque = Load-Sensor Reading(N) x Pulley-Radius(mm)

↳ Torque will be divided to motor shaft Radius.



Profile :

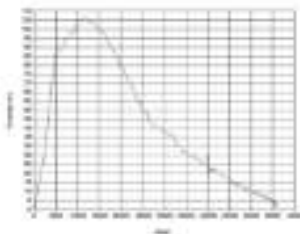
Adopting the unique Froude recording principle technology, it is suitable to measure high-precision T-H curve.

Advantages :

- No inertia & No coupling loss :**
 Due to using the Froude method, there are no inertia force and no coupling losses during the test. They are crucial that affecting the accuracy of the testing of micro motors.
- Wide Measuring Range :**
 So many of the model to select the proper motor and pulley.
 The measuring Range is from 0.01 to 400mNm.
- Monitoring and analysis easier :**
 Real-time display of the testing results on the screen.
 Data-File can be exported to Excel format.
- High Speed :**
 The Max. Speed up to 50,000rpm.
- Add a power analyzer and you can measure V/A/W and the efficiency of the motor.**

Measured Example :

Speed : Speed / View : Torque



Specifications :

MODEL	Froude-pulley
LOAD SENSOR	20 types : 20N and 4N and 5N and 10N
MEASUREMENT	DC and AC rating
TORQUE PRECISION	±0.1% ~ ±0.5% (range)
HIGH-SPEED ALLOWABLE LOAD	1/10 of Sensor rating
TORQUE HOLD RANGE	T-Sensor Rating X Pulley Diameter's ²
OPERATING SYSTEM	Windows XP/Windows
POWER SUPPLY	Single-phase AC 100-240V x 50/60Hz 50VA
	Single-phase AC 100-240V x 50/60Hz 50VA

