

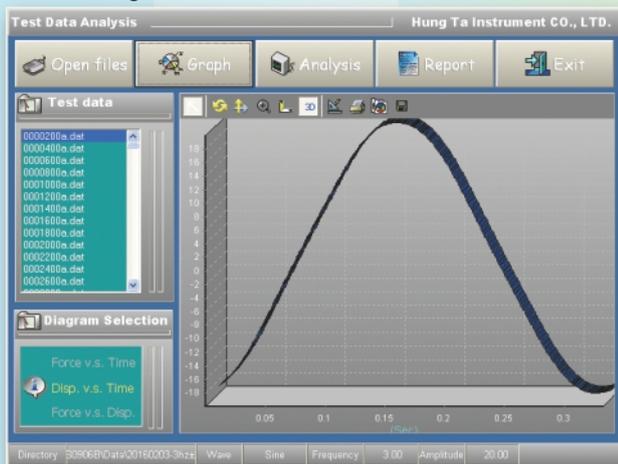
HT-1231-B2 Series

Dynamic Fatigue Testing Machine

Machine conforms to ISO/EN/ABNT/NBR/CNS/GB/CPSC, etc. standards for bicycle testing. Powered by electrodynamics, the machine is suitable for the dynamic, static, compression, and tension testing of various bicycle components. The ergonomically designed machine comes with complete features and offers great versatility. It is easy to install and operate, ideal for R&D or for quality control management.

Features :

- Environmentally friendly, power saving, noise-free
- Actuator provides stable force during dynamic and / or static testing.
- Satisfies ISO 4210-6 Sec. 4.3 Fatigue Test with Pedaling Forces



HT-1231-B2		S5				S10					
		V3	V6	V3NI	V6NI	V3	V6	V3NI	V6NI		
Dynamic force (N)		±5000				±10000					
Static force (N)		±3700				±7500					
Stroke of actuator (mm)		±50				±50					
Max linear velocity V(m/s)		0.3	0.6	0.3	0.6	0.3	0.6	0.3	0.6		
Accuracy of load		±1%				±1%					
Displacement sensor (mm)		Max : 100 Resolution : 0.005				Max : 100 Resolution : 0.005					
Control & data acquisition system		Computer		PC one set		PC one set		PC one set			
		Controller		HUNG TA interface		NI interface		HUNG TA interface		NI interface	
		Software		Dynamic software x 1		LABVIEW Software x 1		Dynamic software x 1		LABVIEW Software x 1	
Power system		Electro-servo-cylinder		Servo Motor & Servo Controller		Servo Motor & Servo Controller		Servo Motor & Servo Controller			
Adjustment for electro-cylinder		Left and right (mm)		150 - 750		150 - 750		150 - 750			
		Up and down (mm)		MAX : 600		MAX : 600		MAX : 600			
Crosshead rise and down				Electrical (for quick adjustment)		Electrical (for quick adjustment)		Electrical (for quick adjustment)			
Crosshead fasten system				Manual		Manual		Manual			
Machine main body		Internal space (mm)		~ 1000 x 1000 x 1000		~ 1000 x 1000 x 1000		~ 1000 x 1000 x 1000			
		Weight (kg)		~ 1120 kg		~ 1120 kg		~ 1120 kg			
Control cabinet		Dimension (mm)		~ 700 x 900 x 1750		~ 700 x 900 x 1750		~ 700 x 900 x 1750			
		Weight (kg)		About 150 kg		About 150 kg		About 150 kg			
Safety & protection		Overload protection, Leakage protection, Emergency switch, Limiter protection									
Standard accessory		Tool Kit, Operation manual, Calibration report, Warranty									
Power		3ø / 220 V / 50 / 60 Hz (380V / 415V, customized)									
Optional accessory		Grips : HT Catalogue standard / Customized to customer's specimen									

1. Specifications subject to change without further notice.

2. Hung Ta compression springs used for trial tests and inspection process.

Performance determined by testing parameters such as frequency and amplitude, and may vary with properties of materials tested as well as other environmental factors



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