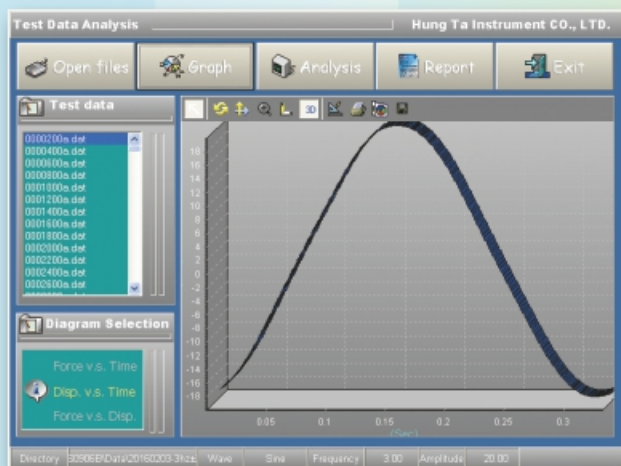


HT-1231-2CH Series *Dynamic Fatigue Testing Machine*

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-1231-2CH		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				Max : 100			
		Resolution : 0.005				Resolution : 0.005			
Control & data acquisition system	Computer	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			
Adjustment for electro-cylinder	Left and right (mm)	150 - 750							
	Up and down (mm)	MAX : 1000							
Crosshead rise and down		Electrical (for quick adjustment)							
Crosshead fasten system		Manual							
Machine main body	Internal space (mm)	~ 1000 x 1000 x1600							
	Weight (kg)	~ 1120 kg							
Control cabinet	Dimension (mm)	~ 700 × 900 × 1750							
	Weight (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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