

HB Jupiter Servo Drives



- Designed with leading Dual 32 bit DSP chip and manufactured by adopting high quality component
- High bandwidth and Full digital regulation.
- Fast response and high precision
- Excellent Performance and Features
- Multi-Functionality
- Advanced Operation Software and Monitor Tool
- Wide range from rated current 06A to ultimate 100A.

Specifications

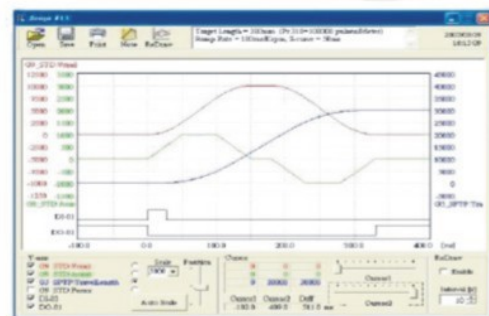
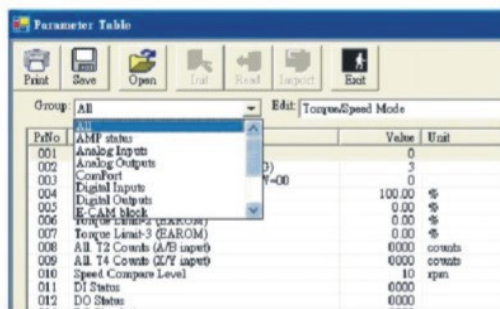
Model Number		JMD-STD-06A	JMD-STD-09A	JMD-STD-15A
Output Current (Amp)		6A/18A	9A/27A	15A/45A
Power Input		Single/Three-Phase 220V AC, 50/60Hz		
Power output		Three-Phase 0 ~ Input Power Voltage		
Sinusoidal PWM		IGBT Sinusoidal Pulse-Width-Modulation (10Khz)		
Encoder type		Incremental		
Control mode		Torque, Speed, Position control modes & Embedded Motion Profiles		
Modes :	P-command Mode	1. Pulse input : A/B phase, CW/CCW or Clock/Direction 2. Bit rate : ~ 1M bps 3. Gear ratio : 50000 ~ 1/50000		
	SP2P mode	1. 16 independent position/Length 2. 4 selectable velocity profile 3. Mixed Absolute/Incremental mode 4. Metric number setting 5. Multi-mode Home-Search		
	Speed Control mode	1. Control Range 30000 : 1 2. 8 Preset Speed, by 3-bits DIX 3. 4 Torque Limit setting, by 2-bits DIX		
	Torque Control mode	Settable Speed Droop range		
Protection		Over-Potential, Over-Current, Over-Load, Over-Speed, Encoder-Fault		
Encoder Simulated Output		1/N (N=1,2,4,8,16,32), or Fixed Frequency : 250K, 125K, 62.5K		
Control Power		External +24V DC power supply		
Digital Input DI (x)		8 Standard bi-directional photo-isolated inputs (DI1 ~ D18) X/Y Clock input Mark & Cut Capture inputs		
Digital Outputs DO (x)		Bi-directional Photo-isolated outputs (DO1 ~ DO4)		
Analog Input		12bits resolution A/D inputs : AI1 & AI2 2.5Khz sampling rate		
Analog Output		12bits resolution D/A outputs : AO1 & AO2 2.5Khz refreshing rate		
Communication		RS-232, RS-422, RS-485, Modbus (~115200bps), CAN Open (Option)		
Environ-ment	Temperature	0 ~ 50℃		
	Humidity	~ 85% RH		
	Vibration	~ 0.5G		
Ventilation		Forced cooling		

Main Features

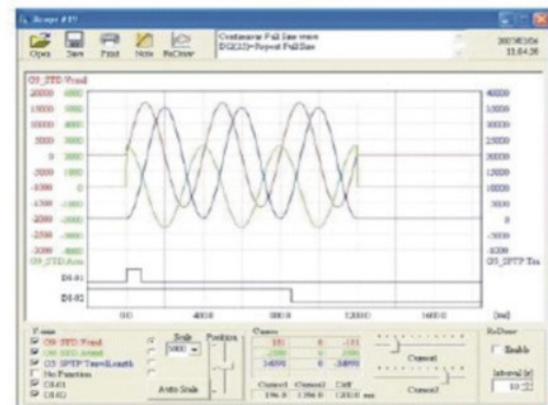
- ◎ 、 Dual 32bit DSP design, Embedded Motion controller with Servo Drive
- ◎ 、 Multi-Functionality : Torque mode, Speed mode, Position mode, Smart Point to Point
- ◎ 、 100us sampling rate & calculation loop
- ◎ 、 1 Mbit/sec, High speed pulse command input (A/B phase, CW/CCW, CK/DIR)
- ◎ 、 2 fast digital inputs for High-Speed signal capture
- ◎ 、 8 multi-functional bi-directional digital inputs
- ◎ 、 Simulation encoder output (N=1, 1/2, 1/4,....., 1/64), or fixed frequency output
250K, 125K and 62.5K
- ◎ 、 4 multi-functional digital outputs (both PNP/NPN compatible)
- ◎ 、 Analog input 2 channels, 12bit resolution
- ◎ 、 Analog output 2 channels, 12bit resolution
- ◎ 、 RS485/RS422/RS232, Modbus RTU protocol, 9600 ~ 115200bps,
CAN Open (OPTIONAL)
- ◎ 、 Direct Metric number conversion system, high resolution setting 0 ~
1,000,000.000(mm)
- ◎ 、 SP2P (Smart Point to Point) mode, 16 Length/Position data selectable
- ◎ 、 All sinusoidal acceleration and deceleration velocity profile
- ◎ 、 Special E-CAM Switch, Shift-Register, and auxiliary Timer, Counter
- ◎ 、 Advanced Commissioning/Monitoring software : What you see, what you get !
- ◎ 、 Optional Function :
 - Rotary CUT
 - Flying CUT
 - Print mark registration

◎Friendly "Servo Win" commissioning software is capable for easy read/write parameters, monitoring system and may keep the application project in file.

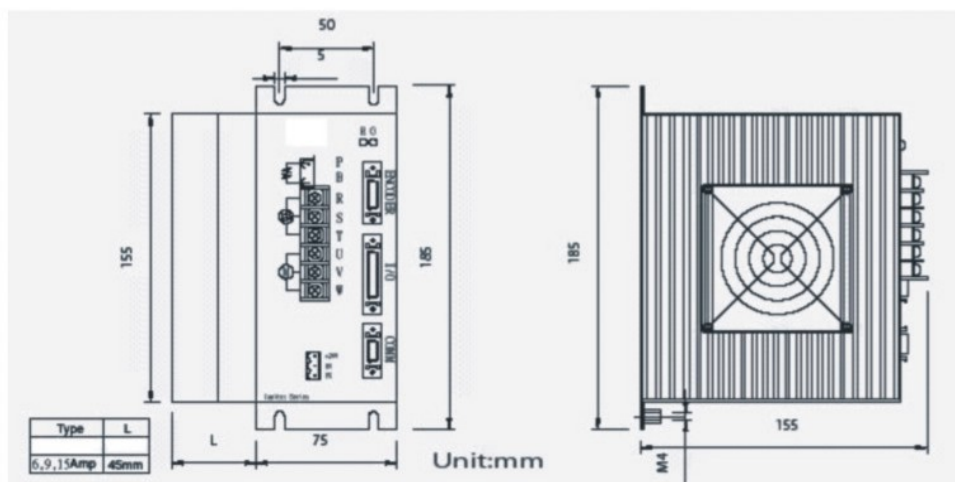
◎Standard S-Curve trapezoidal motion Profile provide smooth Auto point to point Motion control.



◎Auxiliary Soft-Scope Tool enable user to observe system performance whenever in need.



Mechanical Dimension Size



HPB TECHNOLOGY CO.,LTD.

6F, NO. 256, SEC. 5, CHUNG HSIAO E. ROAD, TAIPEI, TAIWAN, R. O. C.

TEL: 886-2-27201366 FAX: 886-2-27203883

E-mail : hpbtech@ethome.com.tw Web-site : www.hpb-industry.com