Specification Table

Control mode		Position control,JOGGING,and so on.
Encoder feedback		Incremental encoder: 2500PPR Standard incremental type,2500PPR Saving line incremental Serial encoder: 2^{17}/bit Incremental encoder,2^{17}/216 bit Absolute encoder
Environmental Conditions	Surrounding Air Temperature/Storage Temperature	Surrounding Air Temperature：0~+50℃，Storage Humidity：-20~+85℃
	Surrounding Air Temperature/Storage Humidity	90%RH relative tumidity max.(with no freezing or condensation)
	Vibration Resistance/Shock Resistance	4. 9m/s^2/19 6m/s^2
	Structure	Base-mountedtype
Performance	Speed Control Range	1:10000(At the rated torque,the lower limit of the speed controlrange must not cause the Servomotor to stop.)
	Speed response	1KHz
	Coefficient of Speed Fluctuation(Load Change)	±0.01% of rated speed max.(for aload fluctuation of 0% to100%)
	Coefficient of Speed Fluctuation(Voltage Change)	Rated voltage±10%：0%(for rated speed)
	Coefficient of Speed Fluctuation(Temperature Change)	25±25℃:±0.1% of rated speed max.
Analog Speed Reference Input	Reference Voltage	DC±10V
	Input Impedance	About20KΩ
	Circuit Time Constant	47μs
Analog Torque Reference Input	Reference Voltage	DC±10V
	Input Impedance	About20KΩ
	Circuit Time Constant	47μs
Sequence Input Signals	Number of input points	8p oints
	Input Signals That Can Be Allocated	· / S-ON(Servo ON)signal · /P-CON(Proportional Control)Signal · P-OT(Forward Drive Prohibit)andN-OT(Reverse Drive Prohibit)signals · /ALM-RST(Alarm Reset)signal · /P-CL(Forward External TorqueLimit)and/N-CL(Reverse External Torque Limit)signals · /CLR Position Deviation Clear Signal · Internal Set Speed Selection Signal A signal Can be allocated and the positive and negative logic Can be Changed.
Sequence Output Signals	Number of output points	6 points
	Input Signals That Can Be Allocated	• / ALM-RST(Alarm Reset)signal • /COIN(Positioning Completion)Signal • /V-CMP(Speed Coincidence Detection)Signal • /TGON(Rotation Detection)Signal • /S-RDY(Servo Ready)signal • /CLT(Torque Limit Detection)Signal • /BK(Brake)signal • PGC Encoder Zero output Signal A signal Can be allocated and the positive and negative logic Can be Changed.
Encoder Divided Pulse Output		PhaseA,phaseB,phaseC:Line-driver output Number of divided output pulses:Any setting is allowed.

RS-485 Communications	Communication Protocol	MODBUS
	1: N Communication	Up to N =127 stations possible
	Axis Address Setting	Set with parameters.
CAN Communications	Communication Protocol	CANOpen（DS301+DS402guild regulations)
	1: N Communication	Up to N = 127 stations possible
	Axis Address Setting	Set with parameters.
Displays/Indicators		CHARGE indicator and five-digit seven-segmentdisplay
Regenerative Processing		Built-inregenerative resistor or external regenerative resistor (Selection)
Overtravel（OT）Prevention		Stopping witt dynamic brake, deceleration to a stop, or coasting to a stop for the P-OT（Forward Drive Protibit）or N-OT（ReverseDrive Protibit）signal
Protective Functions		Overcurrent, overvoltage, low voltage, overload, overspeed,regeneration error, encoder feedback error etc.
Monitoring Functions		Speed, Current position,reference pulse accumulate,position deviation,motor Current, running,station,I/O signal etc.
Utility Functions		Gain adjustment, alarm history, jogging, origin search, inertia detection,etP.
Intelligent function		Built-ingain auto-tuning funPtion
Applicative loading inertia		Lower than motor inertia 5 times
Position Control	Feedback Compensation	0～100%（Set Unit 1%)
	Input Pulse Type	Sign + pulse train, CW+CCW pulse trains, and two-phasepulse trains with 90° phase differential
	Input Pulse Form	Line driver or open Collector
	Max.Input Pulse Frequency	• Line Driver Sign + pulse train or CW+CCWpulse trains: 500Kpps Two-phase(Aphaseand B phase) pulse trains with 90° phasedifferential: 500K pps • OpenCollector Sign + pulse train or CW+CCWpulse trains: 200 kpps Two-phase(Aphaseand B phase) pulse trains with 90° phasedifferential: 200 kpps