

Item		Model	TS-S2
Basic specifications	Number of controllable axes		Single-axis
	Controllable robots		TRANSERVO series (ALL models)
	Power capacity		70 to 110VA
	Dimensions		W30 × H162 × D82mm
	Weight		Approx. 0.2kg
	Input power supply	Control power supply	DC24V +/-10% maximum
Motor power supply		DC24V +/-10% maximum	
Control method		Closed loop vector control method	
Axis control	Operating method		I/O point tracing (Positioning operation by specifying point number) / Remote command
	Operation types		Positioning, merge-positioning, push, and jog operations
	Position detection method		Resolver
	Resolution		4096P/rev, 20480 P/rev*1
	Origin search method		Incremental
	Points		255 points
Points	Point type setting		(1) Standard setting: Set speed and acceleration in percent of the respective maximum settings. (2) Custom setting: Set speed and acceleration in SI units.
	Point teaching method		Manual data input (coordinates input), Teaching, Direct teaching
	I/O interface		Selectable from the following: NPN, PNP, CC-Link, DeviceNet, EtherNet/IP*2
External input/output	Pulse train command input		— —
	Input		Servo ON (SERVO), reset (RESET), start (START), interlock (/LOCK) origin search (ORG), manual mode (MANUAL), jog motion - (JOG-), jog motion + (JOG+), Point number selection (PIN0 to PIN7)
	Output		Servo status (SRV-S), alarm (/ALM), operation end (END), operation in-progress (BUSY), control outputs (OUT0 to 3), Point number output 0 to 7 (POUT0 to POUT7)
	External communications		RS-232C 1CH
	Safety circuit		Emergency stop input, emergency stop contact output (1 system: When the HT1 is used.)
	Options		Handy terminal
		Support software for PC	TS-Manager
General specifications	Operating temperature / Operating humidity		0°C to 40°C, 35% to 85%RH (non-condensing)
	Storage temperature/ Storage humidity		-10°C to 65°C, 10% to 85%RH (non-condensing)
	Atmosphere		Indoor location not exposed to direct sunlight. No corrosive , flammable gases, oil mist, or dust particles
	Anti-vibration		All XYZ directions 10 to 57Hz unidirectional amplitude 0.075mm 57 to 150Hz 9.8m/s ²
	Protective functions		Positioning detection error, power module error, temperature abnormality, overload, overvoltage, low voltage, gross position error

*1. Resolution is different for each model.

*2. EtherNet/IP will be supported from August, 2013.