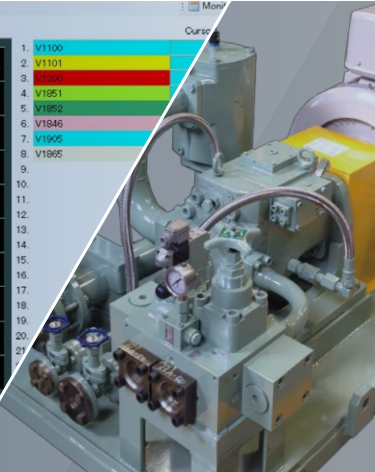
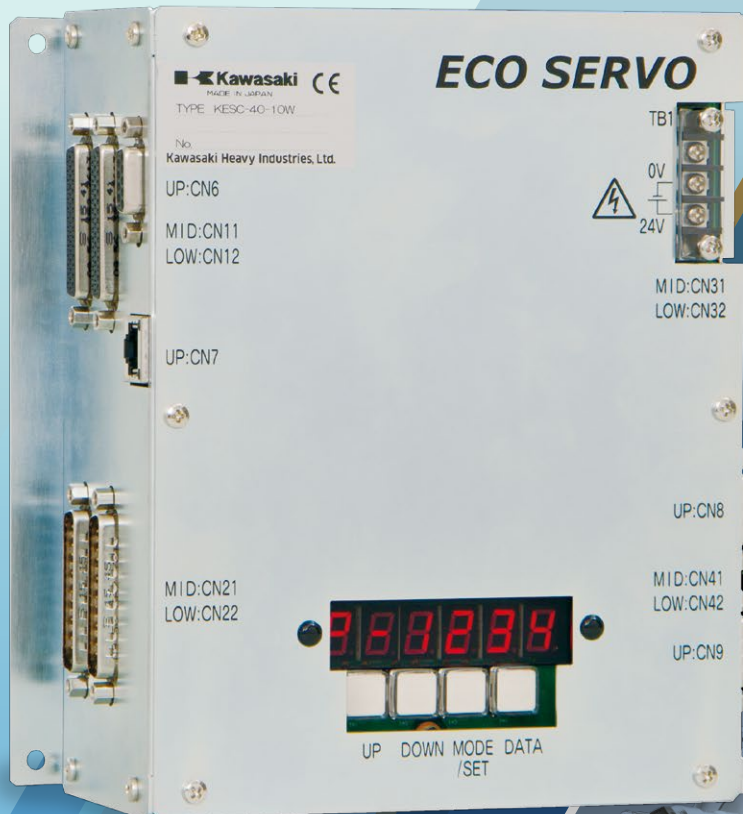


Controller for variable speed control pump system

N-ECST

ECO SERVO Series

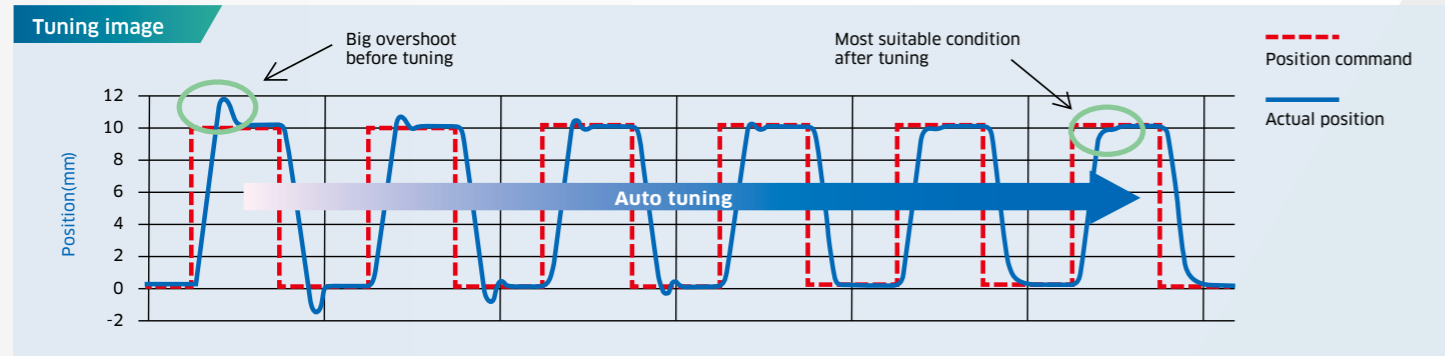


A variety of high-performance control function

Substantial application softwares and maintenance functions

Automatic adaptive control

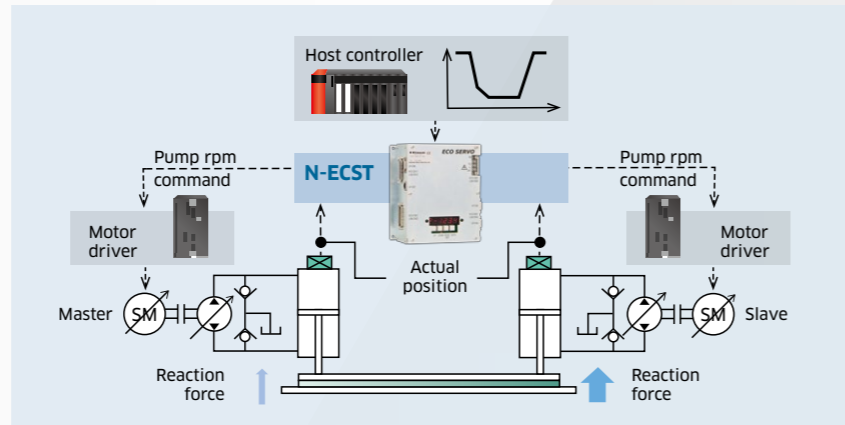
Our original control logics are installed, which is based on a simple adaptive control(SAC). With only setting a response speed, it enables self-adjusting the control gain.



Synchronous control

2-axis type controller has synchronous control between the two actuators.

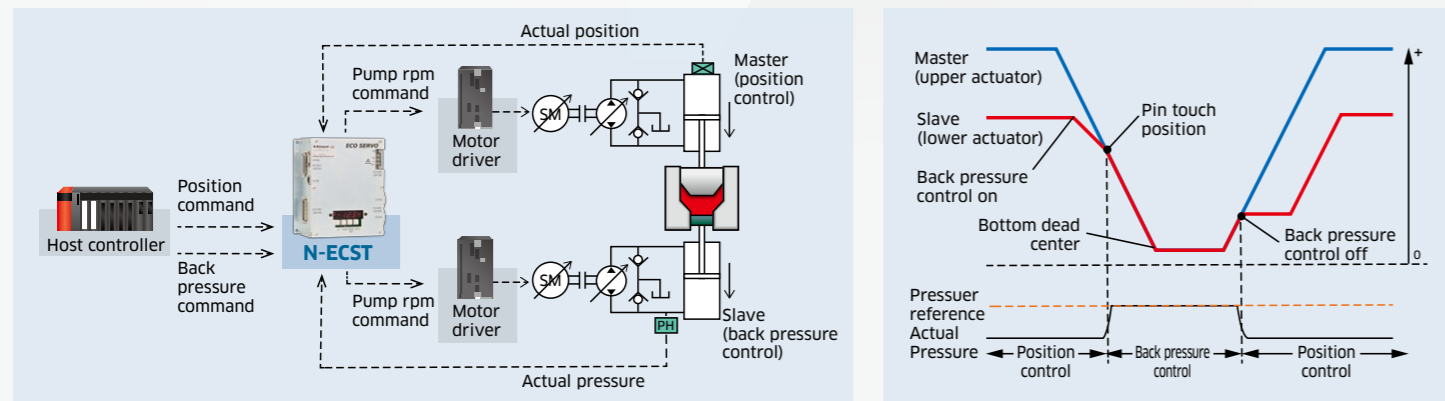
Even when different reaction forces acting on the cylinders, synchronous control of the two cylinders is achieved easily.



Back pressure control

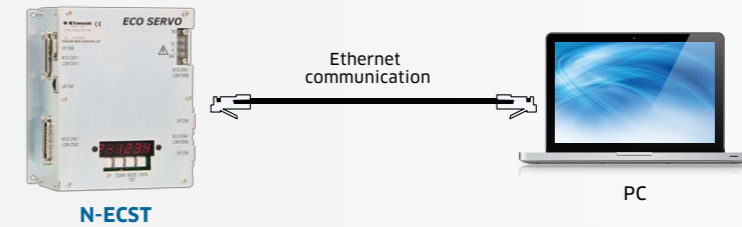
Pressure control correction of a slave axis is performed by a speed calculated from position results of a master axis.

Pressure control in the moving state is achieved with high precision and high response.



Ethernet communication

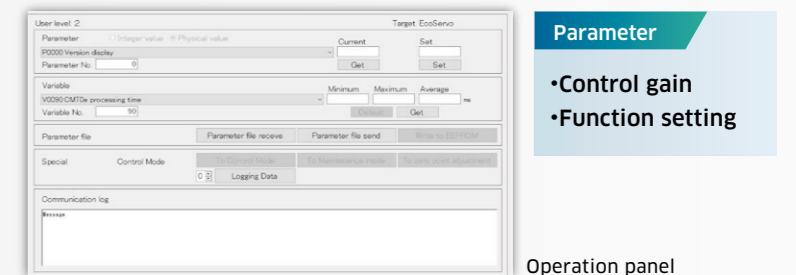
The logging function effective to analysis of abnormal condition and driving data management.



Application software convenient for start adjustment and maintenance.

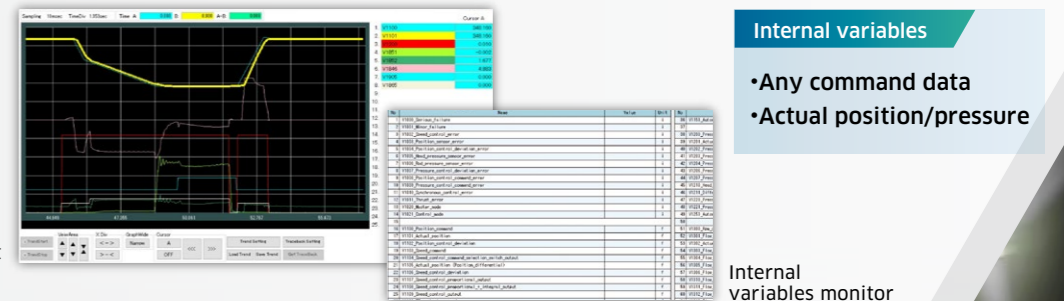
Maintenance Tool (Software)

Lumping edit of parameters, preservation and individual edit are possible. Logging data (CSV file) download



RTM (Software)

Monitoring internal variables in real time Indication of a trend chart

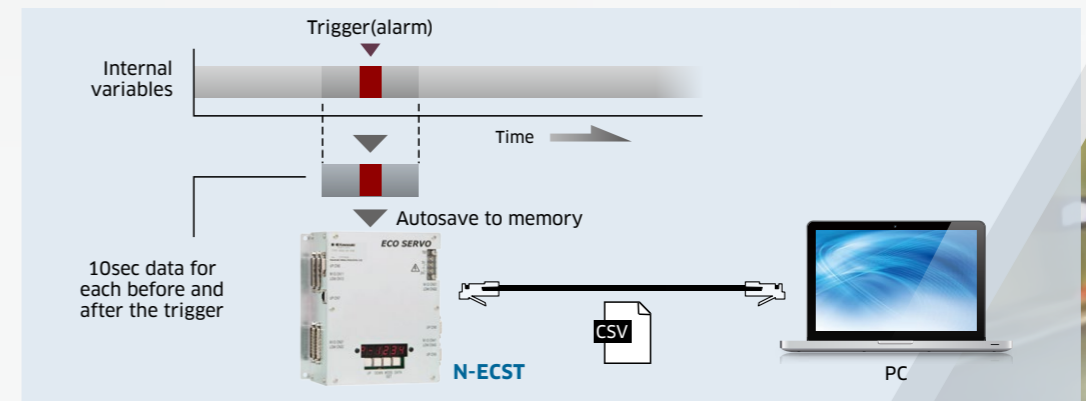


Data Logging Function

Data before and after a trigger(alarm) occurred will be saved in a logging area. The data can be uploaded by the maintenance tool, and it can be preserved by a file in CSV format.

Logging spec

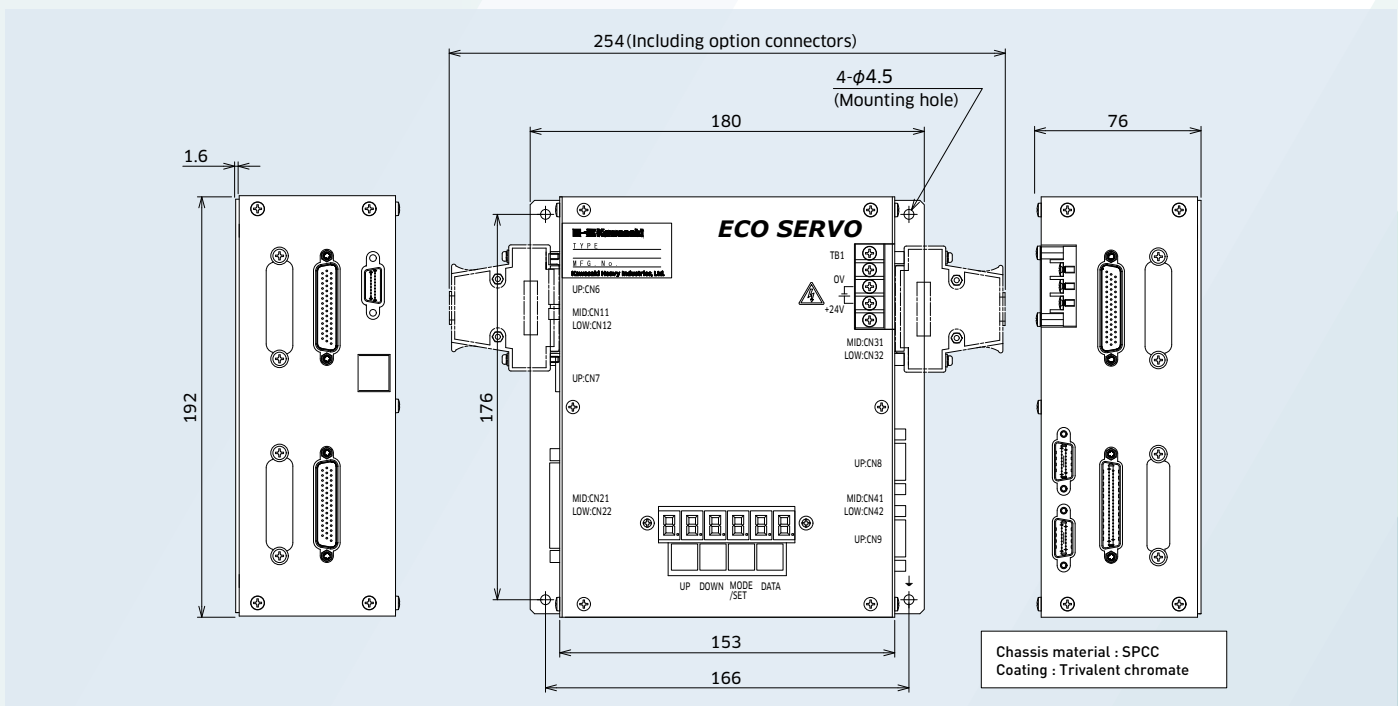
Number of channels	16ch
Sampling cycle	10msec
Sampling time	20sec
Saving number	10



Specification table

Item	For 1 axis	For 2 axes
Model	KESC-40-10S	KESC-40-10W
Control object	1 axis	2 axes
Mass	1.65kg	1.8kg
Internal configuration	CPU board + IO board	CPU board + 2x IO board
Analog input/output	8ch 16bit ±10V	16ch 16bit ±10V
Digital input	Control signal x13	Control signal x26
	Position sensor x18	Position sensor x36
	Position command x19	Position command x38
Digital output	Control signal x8	Control signal x16
	Position sensor x1	Position sensor x2
	Actual position x19	Actual position x38
Communication	RS232C x1ch, Ethernet x1ch, CAN x2ch	
Indicator	7 segment LED x6	
Switch	Push button switch x4	
Input power	+24V (Recommended power capacity ≥30W)	
Operating temp.	-10~+55°C	
Relative humidity	~95% (No condensation)	

Size



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