■ Data overview

Point data and parameter data settings must be specified in order to operate a robot from a TS series controller.

Point data

The point data used in positioning operations includes items such as the "RUN type", "Position", and "Speed", etc. Up to 255 points (P1 to P255) can be registered. There are two point data setting types: "Standard setting" type that automatically defines optimal positioning simply by specifying the payload and "Custom setting" type that allows setting the speed (mm/s) and acceleration (m/s²) in SI units. Select the desired setting type according to the application.

Parameter data

Parameter data is divided into the following categories: "RUN parameters", "I/O parameters", "option parameters", and "servo parameters".

● Data structure

Data	Point data	**P1 to P255**

1	RUN type	7	Zone (-)
2	Position	8	Zone (+)
3	Speed	9	Near width
4	Accel.	10	Jump
5	Decel.	11	Flag
6	Push	12	Timer

Sets the point data to be used in positioning. Select the desired setting type ("standard setting" or "custom setting") according to the application.

(1) Standard setting
Optimum positioning is provided simply by specifying the payload.

(2) Custom setting
Speed and acceleration can be set in SI units.

Parameter data

K1 to K20
RUN parameter

Specifies parameter settings related to positioning and return to-origin operations.

K21 to K39
I/O parameter

Specifies parameter settings related to terminal assignments and I/O function selection.

K80 to K99
Option parameter

Specifies parameter settings related to options such as CC-Link, etc.

K40 to K79, K100 to ...
Servo parameter

Specifies parameter settings specified to the connected robot.
These parameters are specified during initial processing.