



Control over Constant Tuning of the Reflow Furnace to Better Cope with Lead-free Soldering to the Semiconductor Market

Application Notes

A reflow furnace that has lead-free soldering may use high melting point solder but requires the ability to control and suppress overshooting while avoiding thermal stress as much as possible. In addition, depending on the type of substrates, the adjustment of control constants such as the PID becomes necessary, thus calling for the simple setting of those constants by autotuning.

Applications

Reflow furnaces
Flow furnaces
Soldering baths

Features and Benefits

High controllability achieved by autotuning

- The control constraints can be easily set by using the DMC10 autotuning function to ensure excellent controllability.

Yamatake Products

- Module type digital controller: DMC10 Series

