

Building a temperature stabilization control system for a thermal furnace using PLC S7-1200

Do Van Tam

Abstract: This topic focuses on designing and implementing an automatic control system for a heating furnace to ensure temperature stability during the firing process. Thereby, the topic addresses the issue of uneven temperature control through the use of a PLC S7-1200. The research method combines theory with experimentation to achieve the objective. The expected result is an increase in the efficiency and reliability of the furnace, contributing to the development of automatic control technology in the field of heat treatment.

Keywords: PLC S7-1200 control system, Heat treatment, Furnace