



GSL—1600-80X

**High Temperature Vacuum Tube Furnace
Instructions and Operation Manual**



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1. Introduction

GSL-1600-60X high temperature tube furnace uses MoSi2 rod as heating element. Max. temperature inside furnace can be reached at 1600 oC under vacuum or flowing gas. The furnace temperature profile can be set up by 51 segments and run automatically by the 708P type advanced temperature controller. It is excellent for material research, ceramic research labs to develop various new materials.

2. Technical Specifications

Item	Unit	Parameter
Power	KW	4
Voltage	V	AC220 50/60HZ Single phase
Max. Temperature	°C	1600
Continuous working temperature	°C	1500
Suggested heating rate	°C/min	≤5 Max. ≤10
Temperature accuracy controlled	°C	±1°C
Constant Temperature Zone Length	mm	150
Heating element		MoSi2
Vacuum	MPa	-0.1 by mechanical pump
Connection of heating element		Series connection
Thermal Couple		B type Pt-Rh to Pt-Rh
Dimension of inside tube	mm	∅ 60ID* ∅ 80DD1000L
Dimension of outside	mm	550*450*670
Net weight	Kg	150

3. Tube Furnace Structure

