

Troubleshooting Guide

Condition	Possible Cause
Instrument Inoperative	Instrument not plugged into electrical outlet Power switch not in "on" position Blown fuse Loose connection to power switch Faulty power switch Faulty DC power supply
No Furnace Heating (No Microwave Power)	Instrument door ajar Heating blocks not installed Interlock(s) not properly adjusted or faulty Faulty controller board Faulty thermal switch Faulty high voltage component
Low Furnace Heating (Low Microwave Power)	Low line voltage Incorrect voltage switch setting Faulty high voltage component
Fuse Blows When Door is Opened	Interlock(s) not properly adjusted or faulty
Fuse Blows Repeatedly During Operation	Low line voltage Faulty high voltage component Faulty DC power supply Faulty controller board Faulty afterburner
No Display	Loose or broken wiring connections Loose or faulty interface cable Faulty display Faulty controller board
Inoperative Keyboard	Loose or faulty interface cable Faulty keyboard Faulty controller board
Microwave Leakage	Improperly adjusted instrument door Damaged instrument door RF stub not installed or improperly aligned
Erratic Temperature	Loose thermocouple Incorrect A/D setting Faulty controller board
Smoke in Laboratory	Restricted exhaust tubing Internal blower not operating
Blank Display	Faulty display Instrument in stand-by mode (press any key)
"Door Open" Message	Instrument door not properly closed Faulty interlock system

Condition	Possible Cause
“Furnace Open” Message	Furnace door not properly installed Faulty solenoid
Keyboard Inoperative	Loose cable connection to controller board Faulty controller board
Thermocouple Error	Furnace not heating Improperly installed thermocouple Faulty connector Faulty thermocouple Thermocouple not properly calibrated Improper line voltage Line voltage switch improperly positioned Overloaded furnace Faulty controller board
Internal Blower Assembly Inoperative	Faulty blower Improper setting in setup procedures
Furnace Fails to Preheat Within 1 Hour	Excessive moisture in furnace. Perform furnace power measurement, and, if necessary, microwave power measurement. Verify line voltage.