

# Troubleshooting

## Troubleshooting Chart

<i>Problem</i>	<i>Possible Cause</i>	<i>Refer to page:</i>
No signal	Main or filament power switch off	4
	Filament temperature too low	4
	Fuse blown	3
	Output cable in the wrong connector	14
Signal reversed	Signal wires reversed	14
Noisy signal	Dirty system or leaking fittings	7, 13, 19
	Bad flow controller in system	15
	Cell/filament differential too small	15
	Filament damaged	2
Cannot zero the signal	Recorder/Int. not zeroed	16
	Voltage incompatibility	14
	Main or filament power switch off	4
Excessive drift*	Block temperature not stabilized	15
	Heater fault	17
Cell doesn't heat properly	Heater/sensor cable unplugged/ heater fail safe mechanism	17
	Heater fault	17
	Fuse blown	3

For technical assistance from Valco Instruments, call (713) 688-9345 or email [tech\\_usa@vici.com](mailto:tech_usa@vici.com).

\*Try referenced mode, page 12

## Heater Fault Determination

The heater control circuit is designed to disable itself in the event of a fault such as over-temperature, shorted heater, short/open temperature sensor, etc. Once disabled, circuit operation is restored by turning off the controller, disconnecting and reconnecting the detector cable, and then turning the controller back on. *E.g.*, if mains power is applied before the detector is connected to the controller, the heater circuit will not operate until mains power is removed, the detector connected, and mains power restored.

Under normal circumstances, the amber temperature indicator light will flash once after mains power is applied, before control is established. If the light fails to flash, it indicates that a fault has been detected or (less likely) the heater supply fuse has failed.