# 830 Warning Codes

A Warning message alerts the operator that a problem exists, but that the problem will not prevent the instrument from executing the run. The 6890 GC emits one beep and a Warning message appears on the display. The 6890 GC can still start the run, and the warning disappears when a run starts. The warning is not recorded in the run log.

The tables present the messages numerically according to the popup message number. Warning conditions generate additional information that appears in the Status table. Press the [STATUS] button to view the message.

## Warning 100—Oven sensor missing

Status message:  Oven sensor missing

The oven sensor is not being detected because it is unconnected or is malfunctioning. The oven will be shut off, and the GC will be not ready.

❒    Connect or replace the oven sensor.

## Warning 101—Invalid heater power for front detector, inlet, and aux 1

## Warning 102—Invalid heater power for back detector, inlet, and aux 2

Status message:  Invalid heater power

The total wattage for the front or back detector, front or back inlet, and aux 1 or aux 2 heated zones exceeds the maximum wattage allowed (220 Watts). This is only checked at power on. Either there is an invalid heater wattage combination or the wattage sense circuit on the main board is defective.

It is unlikely that this error will occur unless a mass selective detector or other add-on instrument is being used with the 6890 GC.

A warning is issued and the three heated zones are set to not installed.

## Warning 103—Signal 1 buffer full

## Warning 104—Signal 2 buffer full

Status message:  Signal 1 buffer full or Signal 2 buffer full

This error could occur if you are using a data collection device, such as an integrator or ChemStation. If the data collection device goes off line during a run, signal data will be stored in the 6890 GC signal buffer. The buffer holds 400 Kilobyte of data; if the amount of data exceeds the buffer's storage limit, this warning will appear. No new data is stored after the buffer is full.

❒    There is a problem with the PC, the cabling to the PC, or the local network that links the GC to the PC. Check the PC, cabling, and network.

❒    The PC was turned off without closing the ChemStation instrument session. The GC collects and stores real-time plot data until the buffer overflows and the warning appears. Next time, close the instrument session before turning off the PC so that the GC stops collecting data.

❒    The PC entered power saver mode. When the PC enters power saver mode, its processor slows down and cannot collect data fast enough for normal communications, eventually causing the warning to appear. If the PC stays in power saver mode overnight, for example, there will be an error on the GC but the ChemStation will show a Ready status. Close and restart the instrument session, and disable the PC's power saver feature.

❒    There was a software problem on the PC that stops data collection.

❒    There is a hardware problem in the GC. If the problem persists, contact Agilent Technologies for service.

# Warning 105—Analog out data loss

Status message:  Analog out data loss

The 6890 GC analog processors are not communicating with each other correctly. Analog data will be lost; digital data should be all right.

Although the problem could be caused by a bad power supply or a radio frequency interference, both are improbable. The most likely cause is a malfunction on the main PC board.

# Warning 106—Non-recoverable data loss. Data corrupt.

Status message:  Signal data loss

The 6890 GC digital processors are not communicating with each other correctly. Both analog and digital data will be lost.

Although the problem could be caused by a bad power supply or a radio frequency interference, both are improbable. The most likely cause is a malfunction on the main PC board.

# Warning 107—Front det: config changed, method defaulted

# Warning 108—Back det: config changed, method defaulted

Status message:  F det config changed or B det config changed

This warning appears when the 6890 GC is turned on after a different detector has been installed, or when a method is loaded that calls for a different type of detector than the one that is currently installed.

The following will occur:

❐ If a new detector was installed, the 6890 GC will enter the default setpoints for the new type of detector.

❐ If a method was loaded with a different detector specified, the 6890 GC will not change the method but will flash the warning message.

## Warning 109—Front inlet: config changed, method defaulted

## Warning 110—Back inlet: config changed, method defaulted

Status message:  F inl config changed or B inl config changed

This message appears when:

- The 6890 GC is turned on after a new inlet has been installed.
- The 6890 GC is turned on and senses that the inlet has a different type of sensor than was there when the instrument was turned off.
- A method is loaded that calls for a different type of inlet than the one currently installed.

The following will occur:

❏ If a new inlet or sensor was installed, the 6890 GC will enter the default setpoints for the new type of inlet.

❏ If a method was loaded with a different inlet specified, the 6890 GC will not change the method but will flash the warning message.

## Warning 111—Column 1: config changed, method defaulted

## Warning 112—Column 2: config changed, method defaulted

Status message:  Col 1 config changed or Col 2 config changed

This message appears when:

- The 6890 GC is turned on after a different column has been installed.
- You load a method that calls for a different type of column than the one currently installed in the oven.

The following will occur:

❏ If a new column was installed, the 6890 GC will enter the column default setpoints.

❏ If a method was loaded for a different type of column than the one installed, the 6890 GC will not change the method but will flash the warning message.

# Warning 113—Aux 3 config changed, method defaulted

# Warning 114—Aux 4 config changed, method defaulted

# Warning 115—Aux 5 configuration changed, method defaulted

Status message: Aux 3 method changed or Aux 4 method changed or Aux 5 method changed

This message appears when the 6890 GC is turned on and one of the auxiliary pressure channels has changed. Either the type, sensor range, length, diameter or something else has changed.

❒    Default setpoints for the aux module will be loaded.

# Warning 116—Run log full

Status message: None

The run log can hold 50 lines of information. When it reaches the maximum, no more information can be stored in the log and this warning will appear.

❒    Remove some information from the run log.

# Warning 117—F inl calib deleted

# Warning 118—B inl calib deleted

Status message: F inl calib deleted or B inl calib deleted

If you were entering a new inlet calibration for the front or the back inlet and the 6890 GC crashed or encountered a power failure before the recalibration was complete, this warning will appear when the instrument is turned on again.

❒    The calibration for the module will return to the default.

## Warning 119—F det calib deleted

## Warning 120—B det calib deleted

Status message:  F det calib deleted or B det calib deleted

If you were entering a new calibration for the front or the back detector and the 6890 GC crashed or encountered a power failure before the recalibration was complete, this warning will appear when the instrument is turned on again.

❐    The calibration for the module will return to the default.

## Warning 121—P aux calib deleted

Status message:  P aux calib deleted

If you were entering a new calibration for an aux module and the 6890 GC crashed or encountered a power failure before the recalibration was complete, this warning will appear when the instrument is turned on again.

❐    The calibration for the module will return to the default.

## Warning 122—Host communication: data overrun

Status message:  Comm data overrun

The 6890 GC received data from a computer or workstation faster than it could process it. The data may be lost

❐    Lower the baud rate or turn on handshake mode. You can adjust both of these parameters from the Communications control table, which is accessed from the Options control table.

## Warning 123—Host communication: data error

Status message:  Comm data error

The 6890 GC received bad data from a PC or workstation. The data may be lost.

❐    The data bits or parity may be set incorrectly. You can adjust both of these parameters from the Communications control table, which is accessed from the Options control table.

## Warning 124—Host communications: abnormal break

Status message:  Comm abnormal break

There is an interruption in communication between the 6890 GC and a PC or workstation. This could be caused by a LAN disturbance or a bad cable connection. Data may be lost

❒   If you are connected to the LAN, check to see if it is down or there is a problem with your connection to it.

❒   Check the cable connection between the GC and the computer or workstation.

## Warning 125—Sampler communications: data overrun

Status message:  Sampler data overrun

The 6890 GC received information from the 7673 ALS quicker than it could process it. The data may be lost.

❒   Verify that the sampler settings are adjusted correctly.

## Warning 126—Sampler communications: data error

Status message:  Sampler data error

The 6890 GC received bad information from the 7673 ALS. For example, there may be a framing or parity error.

❒   Verify that the sampler settings are adjusted correctly.

## Warning 127—Sampler communications: abnormal break

Status message:  Sampler abnormal com

There is an interruption in communication between the 6890 GC and the 7673 ALS. This could be caused by a bad cable connection. Data may be lost.

❒   Check the cable connections on the GC and the sampler.

## Warning 128—Front inlet sensor auto zero calib failed

## Warning 129—Back inlet sensor auto zero calib failed

Status message:  F inl flow cal fail or B inl flow cal fail

An attempted auto calibration of the flow sensor offset for the front or back inlet exceeded the allowable calibration range. The previous calibration setpoints remain in memory.

## Warning 130—Aux 1 and front inlet on same cryo valve

## Warning 131—Aux 2 and back inlet on same cryo valve

Status message:  Aux 1 cryo disabled or Aux 2 cryo disabled

The same cryo valve is specified for and inlet and an auxiliary zone. The aux cryo is declared not installed.

❐    Check the hardware to see where the valve is really installed. Fix the configuration accordingly.

## Warning 132—Col 1 Init time changed

## Warning 133—Col 2 Init time changed

Status message:  None

While using a Volatiles Interface inlet, the Sample End time is set greater than the oven Init time. The Init time has been changed to the Sample End time to avoid the conflict.

## Warning 134—Front inlet title mismatch

## Warning 135—Back inlet title mismatch

The title for the inlet does not match the title stored in its pneumatics module. No action is taken. If the inlet is a different type from that stored in the pneumatics module, a hardware error will be declared.

# Warning 136—Front detector title mismatch

# Warning 137—Back detector title mismatch

The title for the detector does not match the title stored in its pneumatics module. No action is taken. If the detector is a different type from that stored in the pneumatics module, a hardware error will be declared.

# Warning 138—Front injector/inlet mismatch

# Warning 139—Back injector/inlet mismatch

The injector is not compatible with the inlet it is intended to use.

# Warning 140—Front inlet Saver time changed

# Warning 141—Back inlet Saver time changed

While using a Volatiles Interface inlet, the Sample End time is set less than the inlet purge time. The purge time has been changed to the Sample End time + 1 to avoid the conflict.

# Warning 142—Front inlet Purge time changed

# Warning 143—Back inlet Purge time changed

While using a Volatiles Interface inlet, the Sample End time is set greater than the inlet gas saver time. The gas saver time has been changed to the Sample End time + 1 to avoid the conflict.

# Warning 144—OEM Config error(s)

One or both detectors installed are not the same as the one(s) in the method.