



7890 Series GC SP1-0012 One Valve Natural Gas Analyser Familiarisation Checklist.

Purpose: To demonstrate the steps required to perform an analysis using the Natural Gas standard, evaluate the resulting data and perform routine operational maintenance.

Familiarisation is intended to give operators a basic overview of the operation and maintenance of a new instrument and application software.

Customer Responsibilities

Users of the instrument should be present at all times during the familiarisation. Otherwise important information on operation and maintenance may be missed.

Note: Typical familiarisation times are:

There is no specific familiarisation time associated with the analyser.

The familiarisation time for the G3440A/B is 2hrs.

If the customer has not purchased familiarisation, then the extra 1 hour sold as part of the analyser installation could be shared between I&F.

Familiarisation Checklist

The following information assumes that the customer has already been familiarised with GC mainframe and GC Chemstation.

The supplied documentation should be used to familiarise the user with the analyser.

Set up familiarisation.

- Explain to the user that the analyser has been installed and fully tested at the manufacturing site.
- Show all documentation supplied with the analyser.

Hardware familiarisation.

- Using the supplied valve diagram, familiarise the user with the flow paths.
- Show the user the column oven and indicate which columns are present.
- Show the user the physical position of all valves and associated controlling hardware.

Operation.

- Using the supplied valve diagram, familiarise the user with the analyser operation.
- Indicate which valves and columns are responsible for which analysis/separation.
- Demonstrate the operation of the analyser using the chromatogram obtained during installation.

Analyser Software Operation

- Following instructions in the NatGas_Program.pdf manual, load the NGA Calculation macro. Demonstrate the operation of this program to the customer. The manual and associated files can be found on the CD-ROM disk.

System maintenance

- Using the supplied manual show the user how to set up the analyser (valve timings etc).
- Using the supplied manual show the user the correct procedure to condition columns. etc).