

Portable Mudlogger GC configuration

October 2025

The SRI Model 310C Portable Mudlogger GC configuration offers the same capability as the 410 Mudlogger (rack mount model) but in a more portable/easier/cheaper to ship size.

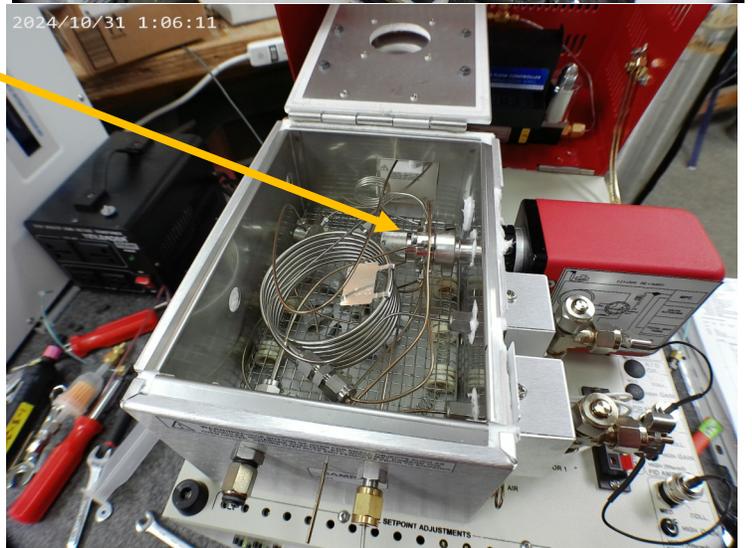
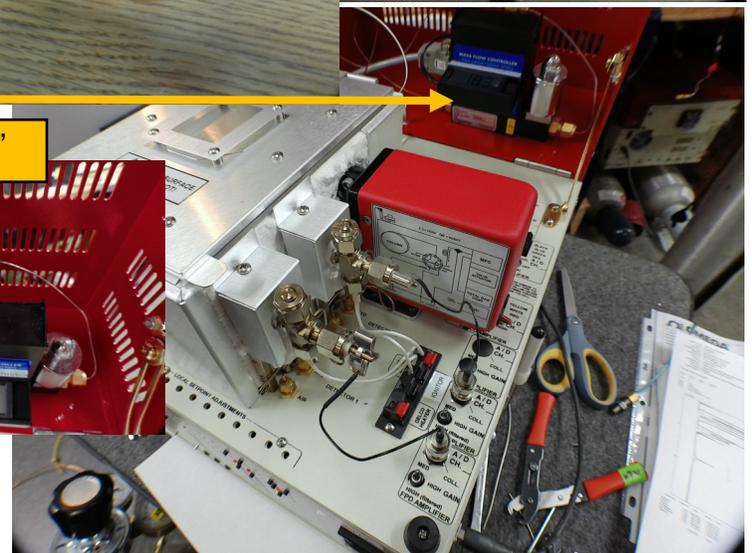
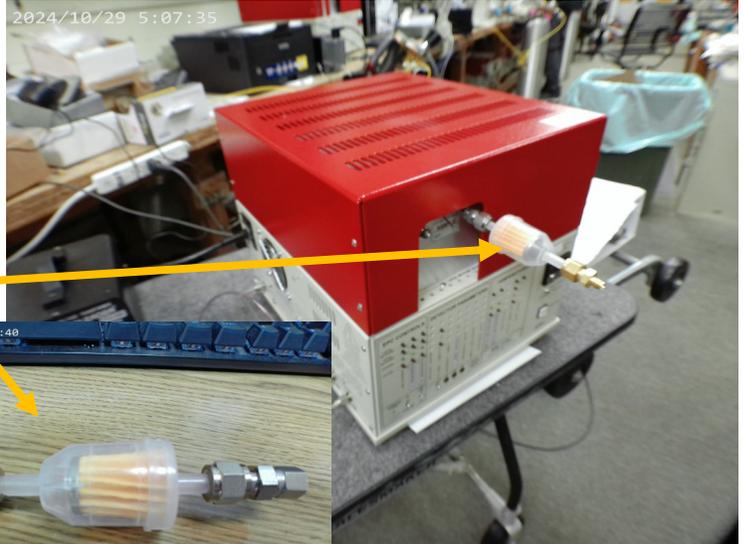
An inlet filter (Part# 8690-1070 \$15) is rated at 10 microns and protects the GC's Mass Flow Controller (MFC) from particles. The filter is easily replaceable.

The MFC is mounted under the red lid and provides a more stable flow to the Total Gas FID than the restrictors used in previous version. The MFC delivers the same flow even if the sample supply pressure changes.

The MFC outlet is split 20:1 so the flow to the Total Gas FID is about 1ml, which on medium gain results in a signal of 1000 millivolts for a 50% methane sample. The user can adjust the flow of the MFC with a screwdriver.

The gas sampling valve for the Speciation FID is mounted in the column oven instead of a separate valve oven to save space/cost. This is possible because the Mudlogger GC operates at a steady 70C which is within the temperature range of the valve.

The cool-down fan/blower has been eliminated because the column oven temperature stays at 70C.



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