

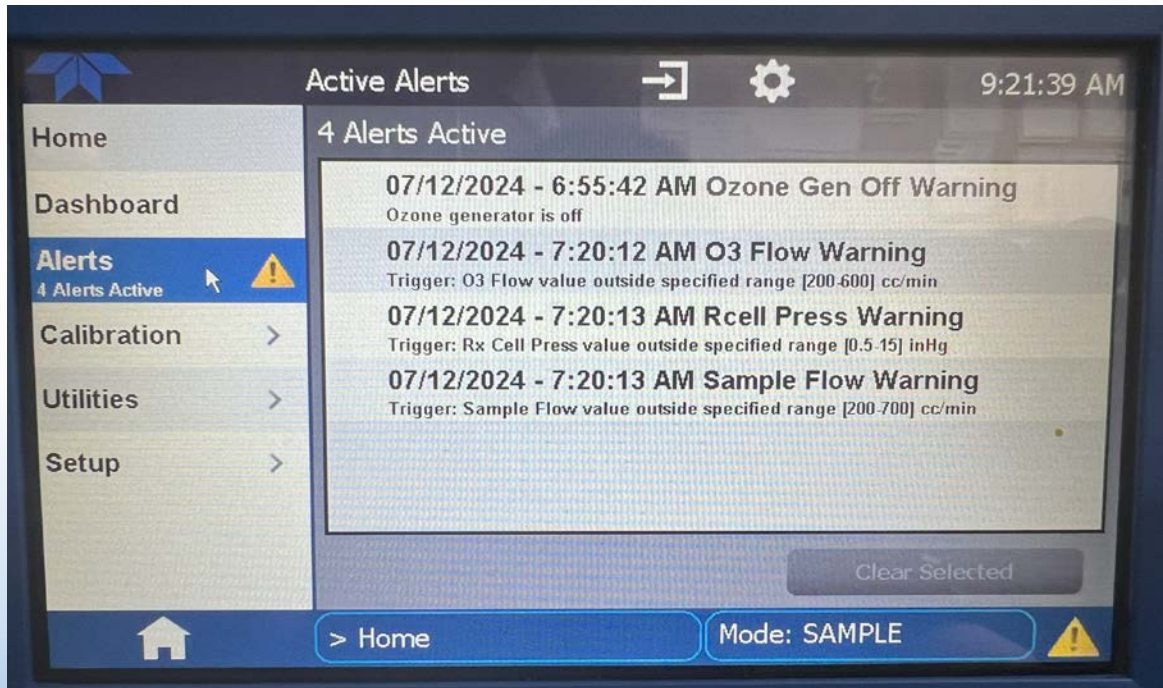
Analyzer Team Updates

Chris Eidsvik & Austin Green

Analyzer Technicians



Analyzer Faults & Validation



What is an Analyzer Fault?

- The purpose of Analyzer Faults are relatively straight forward, to inform the operator of any potential issues that may need to be addressed or repaired with the analyzer itself or help determine CEMS issues. These faults when presented to the PLC/CeDaR/Realview must be specifically determined by looking on the front display of the Analyzer inside the CEMS shelter when presented.
- Potential faults that are commonly seen for these units are (Flow Rates/Pressures, Temperatures, Voltage Readings, Analog Failures, Board Failures, Etc.)

Analyzer Repair & Validation of Data

- Determining whether or not an analyzer fault should be considered an invalidation of data depends on what is causing the analyzer to go into alarm.
- Invalid Data Scenarios
 - Analyzer needs a repair due to a faulty component.
 - Calibration drift due to lack of maintenance or obstruction in lines inside the unit.
 - Incorrect or loss of signal on Analog Outputs.
- Revalidation of Data
 - Flow recalibration (Excluding Leaks, Orifice Replacements, or Pump Rebuilds.)
 - Maintenance notifications and reminders.
 - Firmware issues (i.e. Fault Alarm continuously on after Power On/Reboot)

Please contact our Software Department for further information on Data Validation

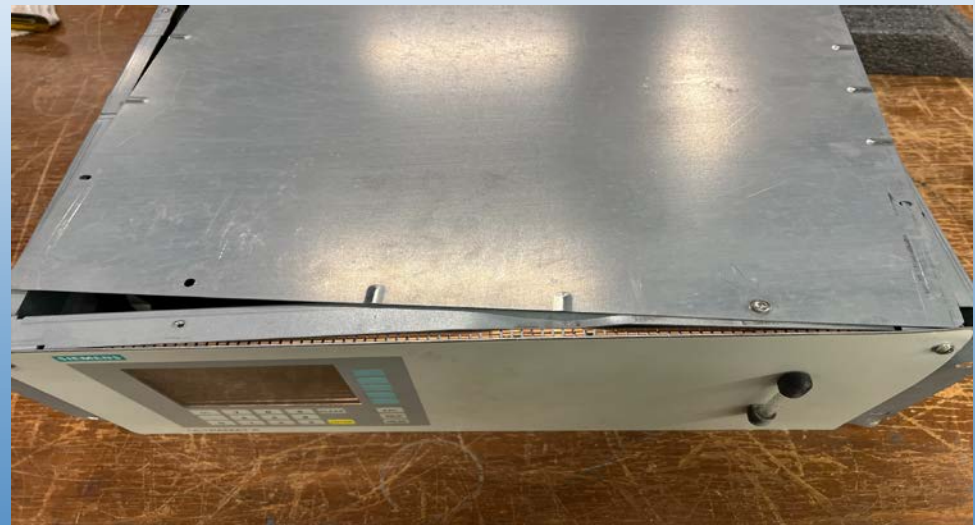
Teledyne Analyzer Updates

- Most recent firmware releases are T200M (1.3.42.519), T200H (1.3.40.515), and T300M (1.3.40.511)
- Newest Firmware does “NOT” address Power Off/Reboot fault issue, Teledyne is aware and working on a fix.
- N Series models still in the pipeline for a full hands-on review and examination. No specific dates at this time.

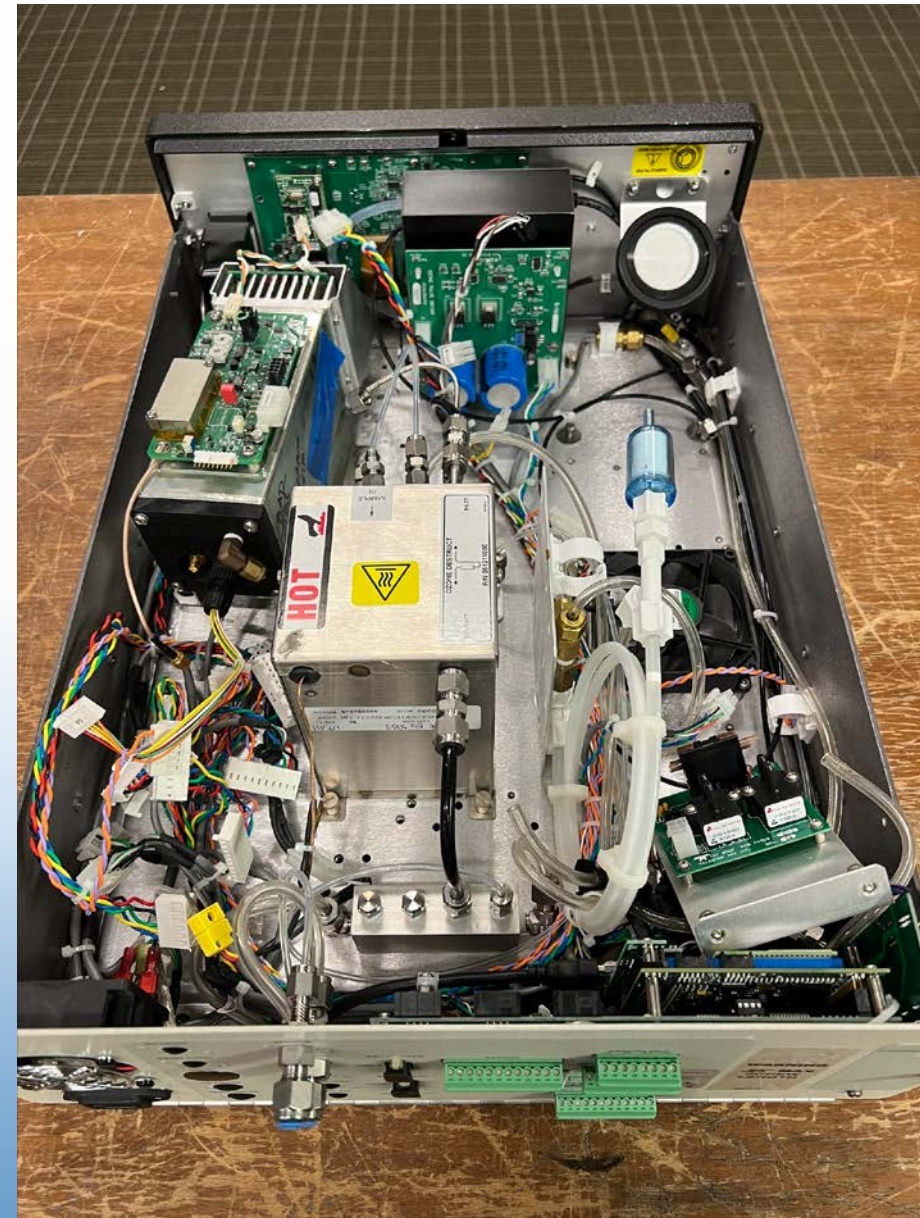
Thermo Analyzer Updates

- Most recent firmware releases are 42iQ (V.1.6.17.35763) and 48iQ (V1.6.17.35763)
- Fixes include optimized IR Source intensity for the 48iQ and resolved an issue where the 42iQ would revert to NO-NOx mode after a reboot.
- i Series analyzer part support will continue until December 31st, 2025.

Proper Shipment of Analyzers



- We have been receiving analyzers in poor condition due to shipping damage and improper packaging.
- To help prevent this please ensure that all internal components are mounted properly and secure inside the analyzer before shipping.
- We highly recommended a Pelican case or the original box with foam padding that the analyzer came with.
- Next Day Air/Overnight shipping seems to help mitigate damages.
- If you are interested in buying a Pelican for your analyzers please contact Jessica Rawley in our orders department (Orders@ciscocems.com)



Comments, Concerns, Questions?

Feel free to contact either of us at

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Analyzer Shop: 303-790-1000 x123

Thank you for your time!

