

Analyzer Diagnostics in the DAHS

Brian Rezek & Chris Eidsvik

Software Department Manager & Lead Analyzer Technician

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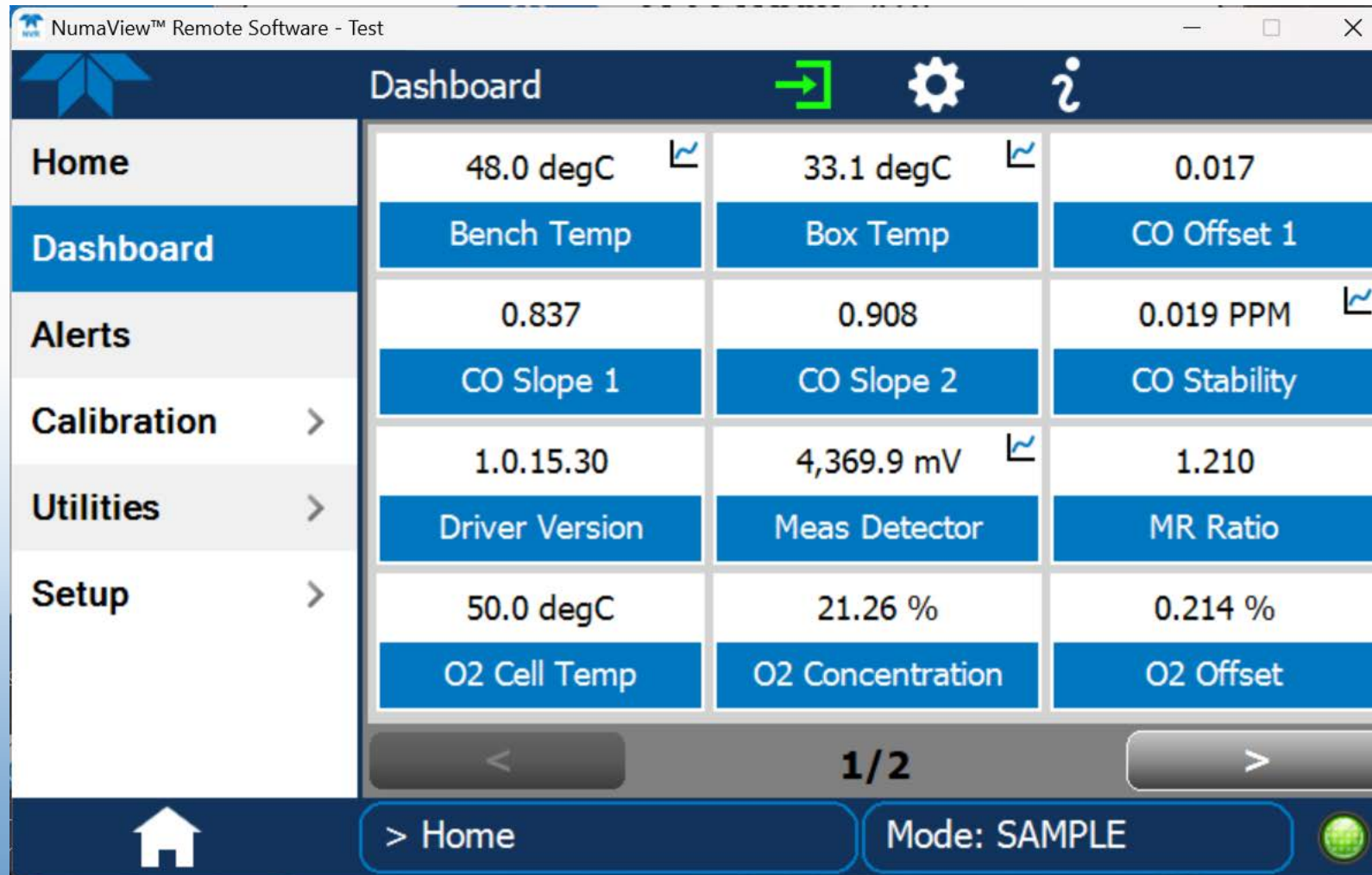
Analyzer Diagnostic Software:

- Provides Remote Visibility of analyzer information
- Same information is available directly from the analyzers
- Analyzer data can be downloaded in text or CSV format

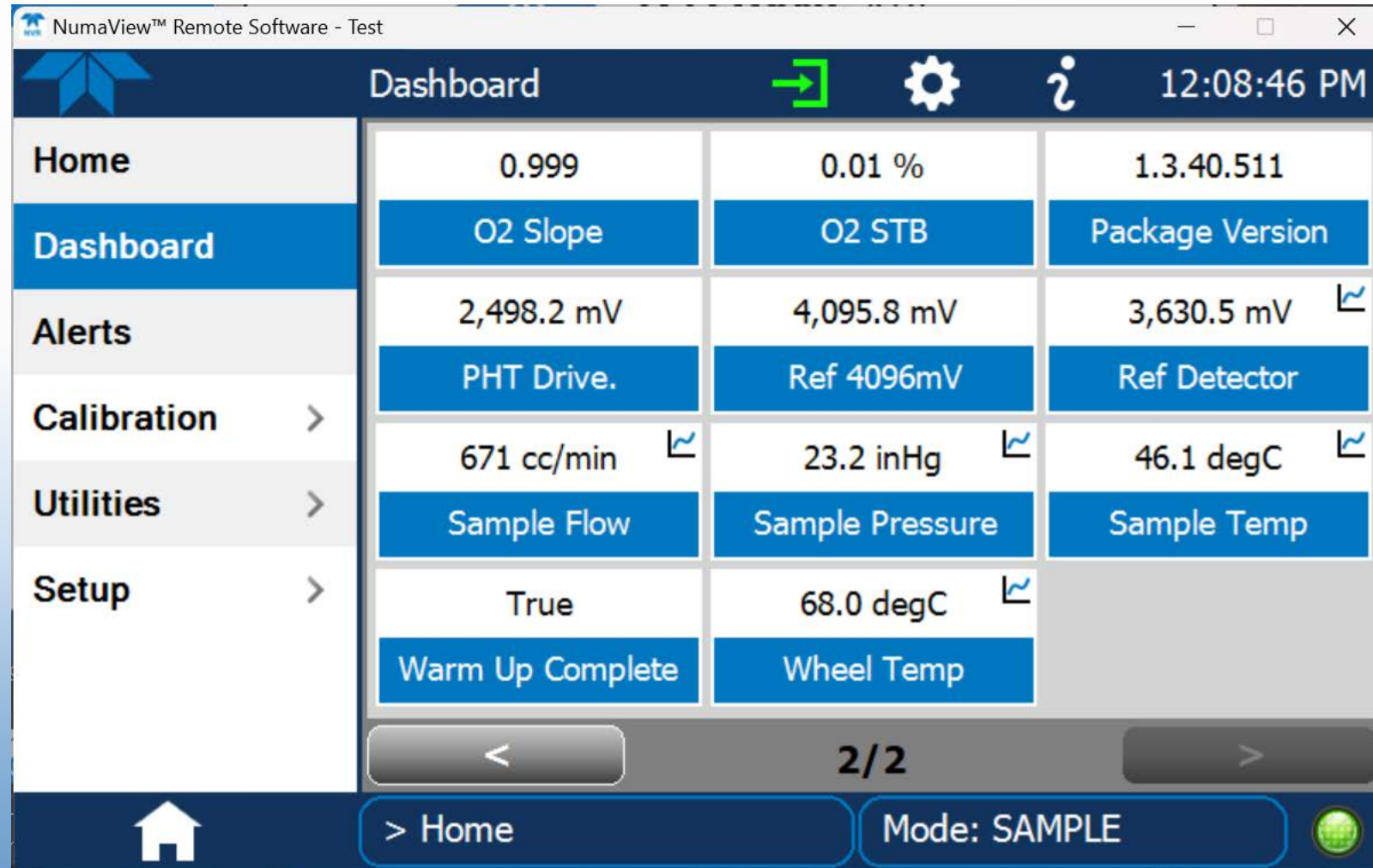
Which Analyzers Can Support:

- Both Teledyne and Thermo analyzers have software
 - Not limited to specific analyzer models.
- Teledyne – NumaView™ Remote software
- Thermo – ePort software

Example Dashboard:



Example Dashboard :



Example Alerts:

The screenshot shows the 'Alerts Log' section of the NumaView Remote Software interface. The window title is 'NumaView™ Remote Software - Test'. The top navigation bar includes a blue arrow icon, the text 'Alerts Log', a green right-pointing arrow, a gear icon, an information icon, and the time '12:09:47 PM'. On the left, a sidebar contains 'Datalog View', 'Alerts Log' (highlighted in blue), 'USB Utilities' with a right arrow, and 'Diagnostics' with a right arrow. The main area is titled '62 Logged Alerts' and displays a list of alerts. The alerts are as follows:

Timestamp	Alert Type	Details
09/09/2025 - 10:34:55 AM	System Reset	Warning raised when the the system is reset
09/09/2025 - 10:22:09 AM	System Reset	Warning raised when the the system is reset
06/03/2025 - 11:51:25 AM	System Reset	Warning raised when the the system is reset
03/26/2025 - 11:08:15 AM	Sample Press Warning	Trigger: Sample Pressure value outside specified range [15-35] inHg
03/26/2025 - 11:08:10 AM	Sample Flow Warning	Trigger: Sample Flow value outside specified range [500-999.5] cc/min
01/20/2025 - 11:58:02 AM	System Reset	

A 'Refresh' button is located at the bottom right of the alert list. The bottom status bar includes a home icon, a back arrow, a breadcrumb path '> Home > Utilities', the text 'Mode: SAMPLE', and a green globe icon.

Example Data Extract:

	A	B	C	D	E	F	G	H	I	J
1	Date & Time	Date & Time	Bench Temp	Box Temp	CO Conce	CO Stabili	Meas Dete	PHT Drive	Ref 4096n	Ref Detec
2	#####	9/3/2025 5	48.00459	33.84182	-2.37713	0.016847	4508.089	2489.292	4095.798	3745.439
3	#####	9/3/2025 5	47.99958	33.68301	-2.37176	0.012428	4507.204	2489.292	4095.735	3744.934
4	#####	9/3/2025 5	47.99958	33.58771	-2.37983	0.011814	4507.773	2489.039	4095.798	3745.25
5	#####	9/3/2025 5	47.99833	33.55088	-2.36876	0.008365	4508.026	2488.533	4095.861	3745.565
6	#####	9/3/2025 5	48.00082	33.56043	-2.37675	0.009277	4507.899	2488.281	4095.735	3745.25
7	#####	9/3/2025 5	47.99958	33.59861	-2.36331	0.009939	4507.141	2489.734	4095.798	3744.87
8	#####	9/3/2025 5	48.00208	33.66805	-2.36301	0.009999	4507.141	2489.987	4095.735	3744.934
9	#####	9/3/2025 5	48.00208	33.75231	-2.37946	0.009995	4506.888	2490.24	4095.672	3744.617
10	#####	9/3/2025 5	47.99833	33.84453	-2.39058	0.010151	4506.635	2490.619	4095.608	3744.428
11	#####	9/3/2025 5	47.99708	33.95545	-2.37015	0.010199	4506.762	2491.061	4095.608	3744.491
12	#####	9/3/2025 5	48.00208	34.06474	-2.37747	0.013607	4507.015	2490.177	4095.608	3744.681
13	#####	9/3/2025 5	47.99958	34.18046	-2.37108	0.012563	4506.256	2491.503	4095.482	3743.986
14	#####	9/3/2025 5	47.99833	34.30658	-2.32116	0.021693	4505.561	2492.262	4095.482	3743.354
15	#####	9/3/2025 5	48.00082	34.40159	-2.34964	0.02484	4506.319	2491.883	4095.545	3743.986
16	#####	9/3/2025 5	47.99583	34.38154	-2.32366	0.01767	4506.067	2491.377	4095.545	3743.796
17	#####	9/3/2025 5	47.99833	34.26368	-2.31254	0.018654	4507.268	2489.418	4095.672	3744.934
18	#####	9/3/2025 6	47.99958	34.03509	-2.35727	0.017184	4507.394	2489.734	4095.672	3744.997

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Integration With DAHS Computer:

- Software can be loaded on DAHS Computer
- Stand-Alone Software – Information cannot be brought into CeDAR Data Monitor at this time.
- Analyzers must be connected to DAHS via Ethernet network

Things to Consider when connecting:

- Physical connectivity concerns:
 - Enough ports in the switch in CEMS Shelter?
 - IP Addresses?
- Cyber Security Concerns?
- Access Restrictions?