

## MTS Release Notes

### MTS4.4h

Added repeated extra inputs to the N4th startup. Clear the buffer and make sure the first command gives a response.

### MTS 4.4g

- Modified Ctrl+Alt+L logging to capture N4th communications, including finding com port and \*IDN? commands
- Added extra Input functions to the N4th startup to read back any text left in the input buffer.

### MTS 4.4f

- PDF version of the manual copied to the install folder

### MTS 4.4e

- Modified Adaptive RH so it will not reset the calculations between pretreatment steps if they contain the same gas/rh settings.
- Adaptive RH is not valid at 0 or 100%. It now warns and requires fixed flow for this setting.
- Added a maximum time limit for the N4th measurements to force it to continue if the N4th stalls and never gives the 'sweep finished' status.
- A change to Windows causes the program to crash when it is interrogating HID devices for vendor and product names in order to find the 740 device. Corrected.

### MTS 4.3d:

- No changes

### MTS 4.3c:

- Skip to next not available when performing an N4th, Multistat or ZPlotLab step. Corrected.

### MTS 4.4b:

- Force [Pressure] section to be saved to the ini file so it is easy to locate (and change to kPa if necessary)
- Adaptive RH would glitch at the start of each step when it restarted the adaptive control loop. Corrected.

#### MTS 4.4a:

- Alarm settings in the .ini file have been changed. When updating software, it forces a change to the alarm settings. Using [Alarms] Lock=1 will block the forced alarm changes.
- If 500 SCCM is used with 500SCCM controller, the voltage is 5V, a rounding error can result in a value >5V causing an error message. Corrected.
- Ctrl+Alt+L will now display the Communications Log box.
- If an Alarm occurs during startup, alarm flow settings will be applied, but not displayed in the main window. Corrected.

#### MTS 4.3g

- Add 3.5 minute delay before first Adaptive RH step is taken.

#### MTS4 4.3f

- Add diagnostics log for N4th communications
- RH (adaptive) did not work. Corrected.
- RH (adaptive) is now the default setting (changed from RH (target)).
- Add support for Windows 10