



97-038 Rev B
2 May, 2007

IMPROVING M200A RESPONSE TIME

I. BACKGROUND:

API has discovered that an incorrect setting of a variable found in the “VARS” in the M200A can lead to slow response time. Unfortunately, in older versions of software the default value is too low. If you are experiencing slow response times in the M200A, please follow this procedure to correct this variable. The variable is named `FILT_DELAY`. It’s value is set in seconds. When the analyzer has sensed a large change in concentration, it will enter the “adaptive filter” or “fast filter” mode. This shortens the software filter length to allow the analyzer to respond more quickly to changes in concentration. When the analyzer decides it is time to exit the fast filter mode, the `FILT_DELAY` variable tells it how long to wait before exiting the fast filter mode. If this value is too short, the analyzer may not stay in the fast filter mode long enough and you may see slow response.

II. SCOPE:

This service note instructs the user on correctly setting the `FILT_DELAY` variable in the M200A analyzer.

III. PROCEDURE:

- A. Press `SETUP-MORE-VARS`. You will see the “818” password displayed. Change it to “929” and press `ENTR`.
- B. Press `JUMP`. Change the “00” to “26” (H.9H software), “25”(J.1 software), “22” (C.5 AMX Soft), “21” (D.6 AMX Soft), and press `ENTR`. If your software is not listed here, then `JUMP` to “20” and press `NEXT` until you see the `FILT_DELAY` variable.
- C. Press `EDIT`.
- D. Change the existing number to 150. Press `ENTR`.
- E. Press `EXIT` to return to the `SAMPLE` menu.

If you have any questions or concerns regarding this service **note**, please feel free to contact a customer service representative at API.