TELEDYNE
INSTRUMENTS
Advanced Pollution Instrumentation

A Teledyne Technologies Company

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Service Note

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Changing the M400E Lamp Cycle Times

I.   PURPOSE:
Through testing of UV lamp we have found that increasing the UV lamp cycle times can improve the UV lamp performance and help with spikes and noise. This procedure will go through how to change the time limit to our new default settings.

II.   TOOLS:
None

III.   PARTS:
None

IV.   PROCEDURE:

1.   First, verify that your current software version by pressing SETUP on the front panel and looking in the upper left hand corner of the screen. It will say "SETUP D.6" or something of that nature. The D.6 part is the software version. You should have version D.4 or above. If your software version is below D.4, please contact customer service to upgrade to the latest revision before performing the next steps.

2.   You will need to change two VARS. Press <SETUP><MORE><VARS> and Enter the 929 Password <ENTER> <JUMP> and put in the number 60. Now press the <NEXT> button until you get LAMP_OFF_DELAY. If this is set for anything but 5, press <EDIT> and change it to 5 and then hit <ENTR>.

3.   Now Press the <NEXT> button until you get DET_VALID_DELAY, this should be the next Var. If this is anything but 60, press <EDIT> and change it to 60 and then hit <ENTR>.

4.   Exit back out to the main menu and then cycle power to the analyzer. This will now have the appropriate changes so it will turn the lamp off for 5 seconds every day, helping to prevent spiking and noisy lamps.

LAMP_OFF_DELAY	Seconds	5	0.02–5	Length of time photometer lamp is turned off.
DET_VALID_DELAY	Seconds	60	1–300	Delay until valid concentration is computed.

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