

TEOM Instrument Configuration

This document provides instructions on how to find your TEOM software configuration for input into the VCM Web Portal. These instructions can be followed either from site or via modem link using RPSComm. If using the instructions from site you may have to press the ESC key to wake the TEOM keypad from its sleep mode.

Checking U.S. EPA Correction Constants

1. Type 13 Enter

This takes you to the SET HARDWARE SCREEN shown in Figure 1. Scroll down and note Constant A and Constant B.

2. Press Main / Status to return to main screen.

SET HARDWARE	
Cal Const>	9605.000
Ser Num	2374
Wait Time	1800
MR/MC Ave	300
TM Ave	300
XX-Hr MC	8
Const A	3.000
Const B	1.030
Version	2.010

Figure 1: Set Hardware Screen

Checking the Temperature and Pressure Reporting Conditions

1. Type 19 Enter

This takes you to the SET TEMPS/FLOW SCREEN shown in Figure 2. . Scroll down and note the T-A/S and P-A/S values in the right hand column (marked here in red). Normally these will be set to 25 and 1 as shown and the web portal configuration does therefore not need adjusting. However, if alternative temperatures are set here, these should be used to adjust the configuration in section 2 of the VCM web portal. 99 and 9 is a common setting here, meaning that the results are reported to ambient temperatures and pressures, a tick box in section 2 of the web portal is provided for this configuration.

2. Press Main / Status to return to main screen.

SET TEMPS/FLOWS		
T-Case>	50.00	50.00
T-Air	50.00	50.01
T-Cap	50.00	49.98
F-Main	3.00	3.00
F-Aux	13.67	13.66
T-A/S	25.00	25.00
P-A/S	1.000	1.000
Amb Temp	24.1	
Amb Pres	0.988	
FAdj Main	1.000	
FAdj Aux	1.000	

Figure 2: Set Temps / Flow Screen