Technical Instruction

Instructions for Converting
Pressure Units in PMATs

**WARNING: Sensitive system settings will be accessible in Cal/Admin Mode.
DO NOT change settings unless specifically instructed to do so. Any unwarranted
changes can lead to cancellation of product warranty by Pendotech.**

How to change units in PMATs:

1. Enter the "Cal Mode" (not documented in our manual, only intended to be used by Pendotech staff) by holding the "Stop" button while powering on the unit.
   When you hear 2 audible beeps, let go of the "Stop" button. You will see the word "Cal" continuously blink in the upper right-hand corner if done successfully.

2. Using the up and down keypad buttons, navigate the arrow cursor to channel 1, press the "Select" button. Go down to "Input Programming" and press "Select" again.

   Refer to Table 1 below for the respective settings for the desired pressure unit. Once the correct convert factor is in place, press "Select" to save the change. It's important to lock in the new setting so it stays when you leave the menu.

Table 1	BAR Settings	PSI Settings	mmHg Settings
Convert Factor	5.17	75.00	3878.6
Measure Units	Bar	Psi	mmHg

3. If the analog outputs are being used, it needs to be scaled accordingly as well. Press "Back" and go down to "Output Programming" to change the scaling.

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4. Refer to Table 2 below for the respective settings that correspond to the desired pressure unit. Again, press "Select" to save the change before leaving the menu.

To display the " - " (negative) sign, simply navigate to the last digit on the right, and press the right arrow to cycle to the front of the numbers, and press the down arrow until the " - " appears.

Table 2	BAR Settings	PSI Settings	mmHg Settings
Low Units (4mA)	-0.69	-10.00	-517.1
High Units (20mA)	5.17	75.00	3878.6

5. Please repeat all previous steps for each pressure channel.

6. To exit the "Cal Mode", reboot the unit and it will return to the normal operating mode.