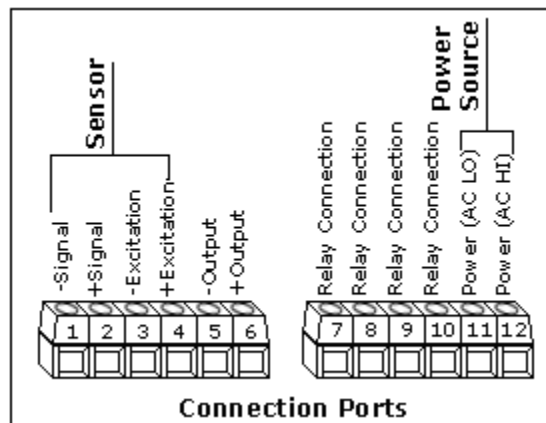


## IPM300 FAQ's



### Where can I find the wiring guide for my display?

See “**Connections**” on page 1 of the Product Manual and the diagram below. Also, the black and white wires from the power cord should be connected to pins 11 and 12. It is not necessary to connect the green wire (ground) to the meter.



### What do the buttons on the display do?

See “**Keyboard Operation and Setup**” on page 2 of the Product Manual.

### What does each menu item do?

- CAL** – allows the user to scale the meter for the sensor
- dECP** – allows the user to choose desired position of the decimal point
- U Lo** – allows the user to input the low input signal (mV/V)
- U Hi** – allows the user to input the high input signal (mV/V)
- rdLO** – allows the user to input the desired display value corresponding to the low input signal
- rdHi** – allows the user to input the desired display value corresponding to the high input signal
- Ky 1** – allows the user to choose a function for key 1
  - AL1** – sets key 1 as an alarm
  - PEAK** – sets key 1 as a peak switch
  - TArE** – sets key 1 as a tare switch
- Ky 2** – allows the user to choose a function for key 2
  - AL2** – sets key 2 as an alarm
  - PEAK** – sets key 2 as a peak switch
  - TArE** – sets key 2 as a tare switch
  - GrnE** – sets key 2 as a switch between gross values and net values

- Prn** – selects the printer output function
- SPEC** – allows the user to choose from the special options menu
- ZerO** – allows the user to zero the display by using the arrow keys
- SPAn** – allows the user to correct the full scale reading by using the arrow keys
- AnOU** – allows the user to setup the analog output function
- PASS** – allows the user enter a password to block out menu options
- End** – exits the user back to the previous menu

For the menu structure, see “**Main and Input Menu**” on page 8 of the Product Manual.

### How do I change the numbers in the menu?

See “**Entering a Numeric Value**” on page 2 of the Product Manual.

### How do I set a Tare key?

Note: Display will automatically exit setup mode and return to run mode if a button is not pushed within 30 seconds.

1. Press both buttons at the same time. ‘CAL’ will appear. Scroll down the main menu by pressing the bottom button until ‘Ky 1’ appears. Press the top button.
2. ‘AL 1’, ‘PEAK’, or ‘tArE’ will appear. Scroll through the menu by pressing the bottom button and stop on ‘tArE’. Press the top button (if the bottom button is desired to be an alarm or a peak value, press accordingly).
3. ‘Ky 1’ will appear again. Key 1 (bottom button) is now set as a tare button.

NOTE: By setting Key 1 as a tare button, Key 2 is automatically set as the Gross/Net function. After setting Key 1 as a tare, the ‘Ky 2’ will no longer have the option of being an alarm, peak or tare.

For more information, see “**Tare/Auto-zero**” on page 3 of the Product Manual.

### How do I set a Peak key?

Note: Display will automatically exit setup mode and return to run mode if a button is not pushed within 30 seconds.

1. Press both buttons at the same time and ‘CAL’ will appear.
2. Press the bottom button until ‘Ky 1’ appears. Press the top button.
3. Press the bottom button until ‘PEAK’ is displayed and then press the top button. ‘FUn’ will appear
4. Press the top button and ‘PKHI’ will appear. The two options are ‘PKHI’ or ‘PKLO’ (peak or valley respectively) and can be chosen by pressing the bottom button, store your choice by pressing the top button.
5. ‘FUn’ will reappear. Press the bottom button and ‘dLY’ will appear. Press the top button and enter in the time in seconds during which the signal must be higher/lower than the previously stored value, before it is updated. To enter the number, use the top button to select the placement of the numerical digit and the bottom button to increment the digit. Continue to press the top button until ‘dLY’ appears again. Press the bottom button.
6. ‘OPER’ will appear. Press the top button. Here you can set the source for detection. Scroll through the menu by pressing the bottom button. The options are below:
  - ‘GrOS’ – Gross value
  - ‘nEt’ - Net value
  - ‘ntrS’ - Net value since last autozero

Press the top button to store your choice. 'OPeR' will appear again. Press the bottom button.

7. 'End' will appear. Press the top button and you will be back in the run mode.

For more information, see "**Peak/Valley Display**" on page 3 of the Product Manual.

### How do I set an alarm?

Alarms are used to indicate when a specified value is reached. An alarm can be set to go off when the display is reading a larger number than the preset value or a small number than the preset value.

Note: Display will automatically exit setup mode and return to run mode if a button is not pushed within 30 seconds.

1. Press both buttons at the same time, 'CAL' will appear, press the bottom button until 'Ky1' or 'Ky2' appears.
2. Select your desired key to use. Once your choice is displayed on the screen, press the top button. Scroll down this menu until 'AL1' or 'AL2' appears (dependent upon the key choice). Press the top button.
3. 'TyPE' will appear, press the top button again. In this new menu use the bottom button to scroll down the list of alarm types. To select your desired alarm type, scroll through the menu until your choice is displayed on the meter then press the top button. 'TyPE' will then appear on the meter.
4. Press the bottom button and 'rELY' should appear. Press the top button and then use the bottom button to view the menu options. Press the top button once you have made your choice, 'rELY' will appear. Press the bottom button to continue through the alarm menu.
5. Press the top button on any of the menu options that you wish to configure. Once you are done, scroll to 'END' and press the top button. This will take you back to the main menu.

For more information, see "**Alarm Setpoints**" on page 3 of the Product Manual.

### How do I set a password?

A Password will prevent people from being able to change settings in specific menus. If you set a pass-code it will be necessary to enter that code whenever you are changing settings.

### Do NOT forget your pass-code!

Note: Display will automatically exit setup mode and return to run mode if a button is not pushed within 30 seconds.

1. Press both buttons at once, 'CAL' will appear, press the bottom button until 'PASS' appears on the display. Press the top button.
2. 'FULL' will then appear. If you wish to enter a pass-code from 0001-9999 to control access to the full menu press the top button. If not, press the bottom button. The other pass-code options are listed below:
  - 'CAL'—controls access to the calibration menu only
  - 'S P'—controls access to the setpoint values
  - 'PEAK'—controls access to the Peak reset function
3. Select your desired pass-code function and access code by pressing the top button on the pass-code function and using both keys to set the code. Press the top button until the display returns to your pass-code function. Press the bottom

button until 'End' appears. Press the top button to return to the main menu. Your pass-code will now be needed in order to change your protected settings. To remove a pass-code, enter the null pass-code: '0000'

For more information, see "**Password**" on page 6 of the Product Manual.

### How do I set the analog output?

The analog output function will allow you to output a signal to another source. The strength of this signal is based on the input signal from the load on the sensor.

Note: Display will automatically exit setup mode and return to run mode if a button is not pushed within 30 seconds.

1. Press both the buttons at once, 'CAL' will appear, press the bottom button until 'AnOU' appears. Press the top button.
2. 'ruG' will appear, press the top button to change the range of the analog output signal. The range is up to the user. NOTE: the first two settings '0-20' and '4-20' are currents and the last three are voltages. Once the display is showing your chosen range press the top button. 'rnG' will then appear. Press the bottom button.
3. 'StLo' will appear. Press the top button. Here you are to enter the display reading that will correspond with the low output signal (0000). Press the top button to save your value and 'StLo' will appear again. Press the bottom button.
4. 'StHi' will appear. Press the top button. Here you are to enter the display reading that will correspond with the high output signal. Press the top button to save your value and 'StHi' will appear again. Press the bottom button.
5. 'SOUr' will appear. Press the top button. Here you have an option of the source of data driving the output signal. The options are listed below:
  - 'rEAd' – display reading
  - 'nEt' – filtered net value
  - 'GrOS' – filtered gross value
  - 'ntFS' – unfiltered net value
  - 'GrFS' – unfiltered gross value
  - 'PK 1' – Peak 1 stored value
  - 'PK 2' – Peak 2 stored valueSelect your desired source by pushing the bottom button to scroll down the menu and the top button when your choice is displayed on the meter. 'SOUr' will appear again, press the bottom button.
6. 'End' will now appear. Press the top button to exit the menu or the bottom button to reset the analog output.

For more information, see "**Analog Output**" on page 6 of the Product Manual.

### How do I set the automatic calibration?

This function allows you to calibrate the unit to an input signal. This method works by applying a low input signal and a corresponding display value and a high input signal and a corresponding display value. One benefit of this method is that the individual signals can be applied at any given time. It is possible to input the low signal at one time and the high signal at a completely different time. This calibration option is located under the 'SPEC' menu.

Note: Display will automatically exit setup mode and return to run mode if a button is not pushed within 30 seconds.

1. Press both buttons and 'CAL' will appear. Enter the 'CAL' menu by pressing the top button. Then press the bottom button until 'rdLO' appears. Press the top button and enter in a low display value that will correspond to your low input signal. Press the top button until the meter reads 'rdLO'. Press the bottom button.
2. 'rdHI' will now be on the display. Press the top button and enter the high value that should be displayed when the high input signal is applied. Press the top button until the display reads 'rdHI'.
3. Exit the setup mode and reset the power to the meter.
4. Press both buttons, 'CAL' will appear, press the bottom button until 'SPEC' appears. Press the top button to enter the special menu. Press the bottom button until 'ACAL' appears. Press the top button.
5. 'ACLO' will appear. Have your minimum load on the sensor and press the top button. The meter will flash 'CAH 0' and the reading from the load. Press the bottom button. The meter will then exit out of the setup mode and display the input signals.
6. If you are ready to enter in the high signal you can do it now.
7. Press both buttons and enter the main menu. Return to the ACAL menu (directions above) and push the bottom button until 'ACHI' appears. Apply your load to the sensor and press the top button. The display will then flash 'CAH 1' and the input signal. Press the bottom button, the value will be saved and the meter will return to the run mode.
8. Once again enter the ACAL menu, press the bottom button until 'CALC' appears. Press the top button and the meter will activate the calculations and go through the reset procedure. The unit is now ready to use.

For more information, see "**Automatic Calibration**" on page 5 of the Product Manual.