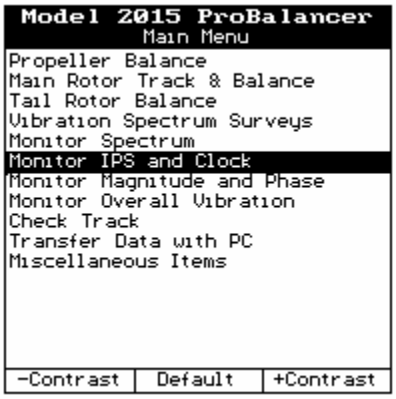
Chapter 9
Monitor IPS and Clock

(Revision 3, July 2007)

"Monitor IPS and Clock" is a ProBalancer function that is accessed from the ProBalancer Main Menu banner screen. A description of this function follows, along with the information required to complete the menu screens within the function, and the steps necessary to perform the function.

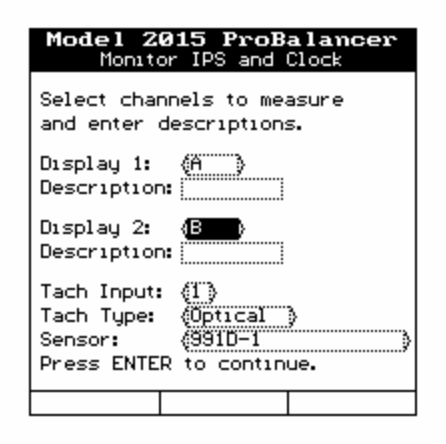


The "Monitor IPS and Clock" function provides for rapid acquisition of a clock angle and amplitude reading without defining and saving a setup. This function allows for no storage of readings for future review.

It is not recommended that you use this function for the acquisition of measurements from tail rotors or other items that have a balance chart that utilizes a strobe light for phase (clock) angles. Measurements acquired with this function will not be accurate for use in these applications. To balance these applications, use the "Tail Rotor Balance" selection from the Main Menu.

To use the "Monitor IPS and Clock" function, do the following:

1. From the Main Menu banner screen, select "Monitor IPS and Clock." The "Monitor IPS and Clock" banner screen appears as shown in the figure below.



CAUTION

Sensors connected to Channel A and Channel B must be of the same type. Using different sensors during the same job will cause erroneous readings and problems achieving good balance results.

2. Use the [⇒] key to toggle between the selections in the "Display 1" field to select the output of "Display 1." The available selections are: "A," and "B".

3. Use the [⇓] key to move down to the "Description" field. Enter a name from the keypad in the description field. (Refer to Chapter 3, "Using the Model 2015 ProBalancer " if you are unfamiliar with using the keypad.) The description field is optional.

4. Use the [⇓] key to move down to the "Display 2" field. The available options are: "A," "B," and "None". Make the appropriate selection. If acquiring data on only one channel, select "None".

5. Use the [⇓] key to move down to the "Description" field. Enter a name from the keypad in the description field. The description field is optional. If you are only measuring one channel, leave this field blank.

6. Use the [⇓] key to move down to the "Tach Input" field. Toggle between selections using the [⇒] keys to select the tachometer-input channel to be monitored.

7. Move down to the "Tach Type" field by using the [⇓] key. Use the [⇒] key to select the tachometer type you are using for the once-per-revolution input into the ProBalancer.

8. Use the [⇓] key to move down to the "Sensor" field. Select a sensor type by using the [⇒] key to toggle between selections.

9. Once all fields are filled press the [ENTER] key to begin acquiring vibration data. See Chapter 16, "Reading Spectrum and Scales" for a detailed explanation of the information contained on the acquisition screen.

10. When finished acquiring vibration data, press the [ENTER] key to stop.