

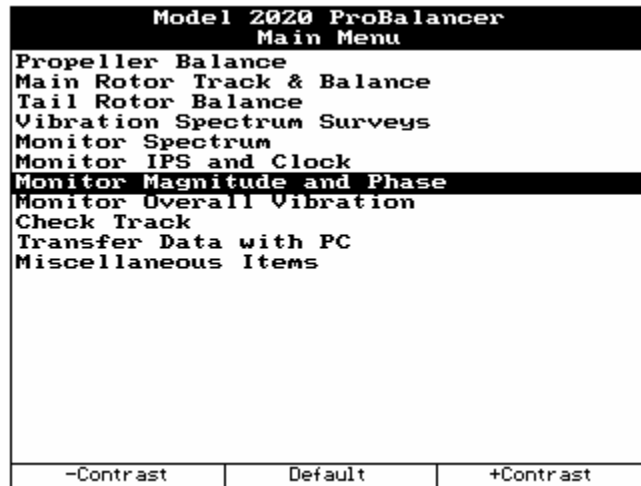
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# Chapter 10

## Monitor Magnitude and Phase

(Revision 3, July 2007)

“Monitor Magnitude and Phase” is an analyzer function that is accessed from the analyzer’s 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 Magnitude and Phase” function provides for rapid acquisition of a phase angle and amplitude reading without defining and saving a setup. This function allows for no storage of readings for future review.

### 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.**

To use the “Monitor Magnitude and Phase” function, do the following:

1. Select the “Monitor Magnitude and Phase” from the Main Menu banner screen. The “Monitor Magnitude and Phase” banner screen appears as shown in the following figure.

Model 2020 ProBalancer Monitor Magnitude and Phase	
Select channels to measure and enter descriptions.	
Display 1:	A
Desc:	
Display 2:	B
Desc:	
Tach Input:	1
Tach Type:	Optical
Sensor:	991D-1
Press ENTER to continue.	

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,” “B,” “A+B,” and “A-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 2020 ProBalancer Analyzer” 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. Using the [⇒] key, toggle between the available selections to select the output of “Display 2.” The available options are: “A,” “B,” “A+B,” “A-B,” and “None”. If you only wish to measure Display 1, 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 analyzer.
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.