

FAQ for DMS SENSORS

Q. What menu functions can be accessed with the 4 keypads on the DMS?

A. The **DMS** menus are arranged as follows:

RC Models	D Models
Bar Graph Display	Bar Graph Display
Display Channel	Display Channel
Distance Tare	Distance Tare
Reflectance Tare	Calibration Slot
Calibration Slot	Gain & Signal Power
Calibration Scale	Set Optical Peak
Gain & Signal Power	Temperature Control
Temperature Control	Units of Measure
Units of Measure	RS232 Baud Rate
RS232 Baud Rate	

Q. Can we display displacement in engineering units?

A. Yes. The display can be set to read mm, μm , or milli-inches.

Q. What readouts are available from the DMS display?

- A.
- Distance with 5 digit resolution,
 - Tared distance with 5 digit resolution,
 - Peak-Peak vibration amplitude - RC only
 - Total Indicated Runout (T.I.R) - RC only
 - Reflectance with 3 digit resolution - RC only
 - Tared Reflectance with 3 digit resolution - RC only
 - Amplifier Temperature
 - Signal Power Level

Q. Where can we find DMS instruction manuals?

A. <http://www.philtec.com/firmware.htm>

Q. Can DMS data averaging be customer programmed?

A. No, but the **DMS** has many options to choose from as follows:

Data Averaging Choices	
via RS232 Command	via DMS Software
4096	4096 (slow)
256	2048
128	1024
64	512
32	256
16	128
1	64
	32
	16
	8
	4
	2 (fast)

Q. Is data averaging also available on the mini-DMS?

A. Yes. The mini-DMS is the same as the full size DMS except it does not have the key pad and display. The accuracy of the mini-DMS is the same as the full size DMS.

Q. Can the DMS have both RS232 and analog outputs?

A. DMS version 3 is currently in development. This next version will offer RS232 **AND** analog outputs with 50 KHz maximum speed. Look for this new **DMS** by midsummer 2006.