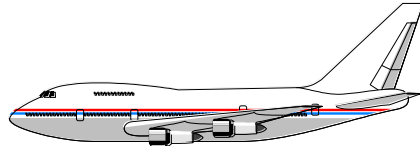


# **BOWMONK**

## **AFM2 Mk 3**



## **QUICK REFERENCE GUIDE**

**Switching on:** Press and release **[RESET]**, after a short self-test the display shows **“AFM2 Ready”**.

**Setting Operator ID:** If you wish to change the operator name to be associated with all subsequent tests, press **[ENTER]**. You may require a password to proceed. The display shows **“Editing Mode”**. Next press **[↑]**, the display shows **“Operator ID”**. Press **[ENTER]** and the display will show the current operator name, press **[↑]** or **[↓]** to choose a new ID from the pre-loaded selection. When the correct one is found, press **[ENTER]** to select and then press **[RESET]** twice, the display shows **“AFM2 Ready”**.

**Positioning the instrument:** Position the **AFM2** in the vehicle so that it will not move under hard braking. The instrument should be positioned with the arrows on its lid facing forward. The velcro on its base will adhere to carpets and cloth upholstery. Secure with seat belt on passenger seat if necessary. Make sure the instrument is as near horizontal as possible.

**Arming for Friction Tests:** press **[A]** to arm for a group of friction tests, the display shows the next test number. Press **[ENTER]** to confirm. The display shows a runway name, select from the available pre-loaded runway names using **[↑]** or **[↓]**. Press **[A]** to accept the chosen name or

ID. The display now shows **“Get SLOPE offset”**. With the vehicle stationary at a point that is representative of the runway slope, press **[ENTER]**. The display shows **“Please Wait”** while the zero deceleration baseline is set. The display will show **“ARMED”** when the instrument is ready. Press **[A]** to halt, **[A]** to continue.

You can now move off and proceed with the tests on that runway. When the instrument senses a sustained deceleration it will show **“Measuring DECEL”**. Once the deceleration ends it will show the mean (or peak) value sensed. If the vehicle’s wheels locked, this represents the runway friction at that point. There is no need to bring the vehicle to a halt. Press **[A]** to accept the test, **[RESET]** to reject it. Press **[A]** again to continue with another test; the vehicle can be moving or accelerating when this is done. Note **[A]** and **[R]** can be pressed remotely via a PC.

When the next sustained deceleration is sensed another friction measurement will be made using the next test number in the sequence and so on. When all the tests for the runway are complete, press **[RESET]**.

**Printing the Results:** press the **[PRINT]** button and choose the runway using **[↑]** or **[↓]**. Press **[ENTER]** and the summary printout together with 1/3 averages will be produced. All contiguous tests that have the same Runway ID will be included in that printout.

**Switching off:** The instrument will switch itself off automatically.

*Issue 8, Aug 2013. Please refer to the **AFM2 Operating Instructions** for more detailed information about using and configuring the instrument.*