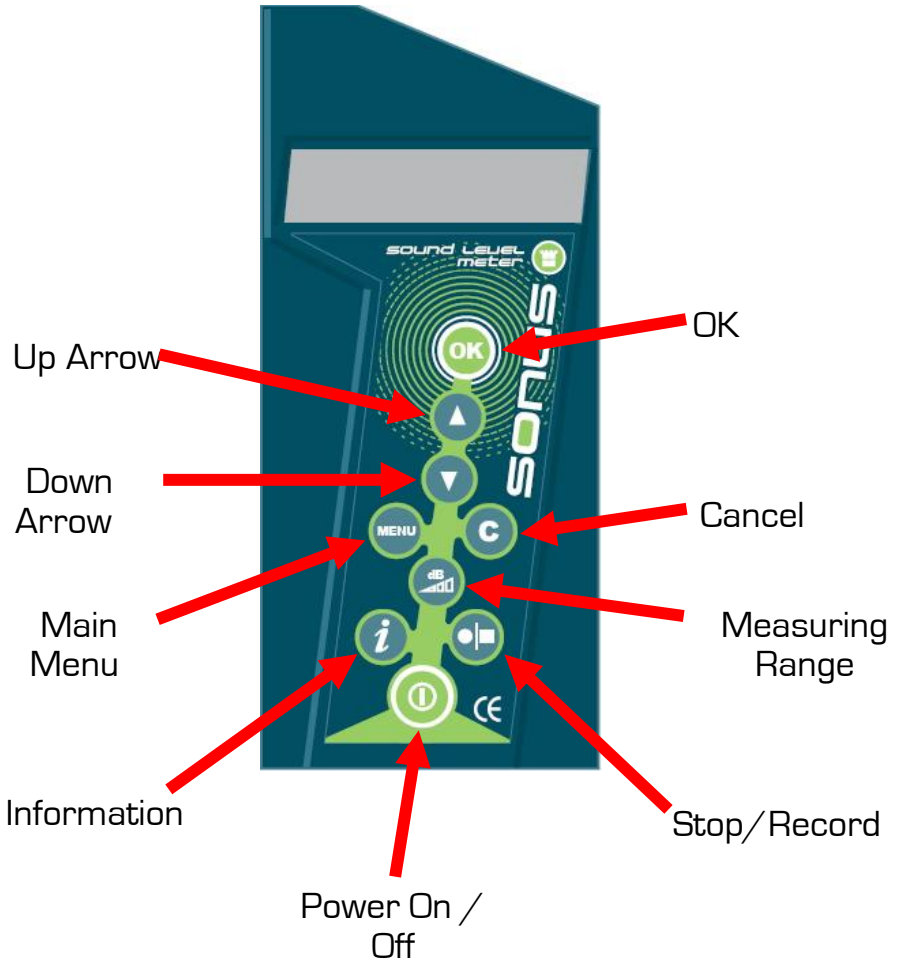


Castle Sonus B and I Sound Meters




Starting up your SONUS

To turn on your instrument press and hold the Power On/Off key  for approximately one second. (Your meter will display the start-up screen and initialise any saved settings.)


To Calibrate using a Castle Calibrator (GA601 or GA607) attach the calibrator to the microphone, press the **MENU** key so that **CAL <OK** is on the screen. Press **OK** to show the calibration level (default 94dB). Wait for 5 seconds then press **OK** again and the instrument will calibrate to the level of the calibrator, displaying **COMPLETE** when finished.


Changing the Range

If the display indicates **OVERLOAD** (range too low) or ****UR**** (range too high), the range should be changed. Press the range key  and use **▲▼** arrow keys to select the desired range (the current selection is denoted by *), then press **OK** so the screen shows **DONE**. This setting will be saved when the instrument is powered off.

Taking a Measurement

To start measuring, press the **STOP/RECORD** Key  so the display briefly shows **REC MODE**. You can review the parameters using **▲▼** arrow keys during recording

When ready to stop, press  again, so the display shows **STOP** intermittently. The measurements are now frozen so use **▲▼** arrow keys to scroll through parameters.

If the **STOP/RECORD** Key  is pressed again, these measurement will be cleared and a new measuring session will begin. The measurements are not saved on this instrument

Calculating Exposure

The **SONUS I** (not SONUS B) is capable of calculating the daily exposure based on a given shift duration

To set this time, press **MENU** and use **▲▼** arrow keys until the display shows **SD <OK**. Press **OK** so the display shows **HOURS 08** and use **▲▼** arrow keys to change to the desired number. Press **OK** so the display shows **MINS 00** and use **▲▼** arrow keys to change to the desired number and Press **OK** to finish. The display will briefly show **DONE**.

To view the daily exposure calculation, Press **C** to get to the measurement screen and use the **▲▼** arrow keys to find the parameter **PLe**. This is the projected LEP'd and shows the exposure level in decibels for the given shift duration