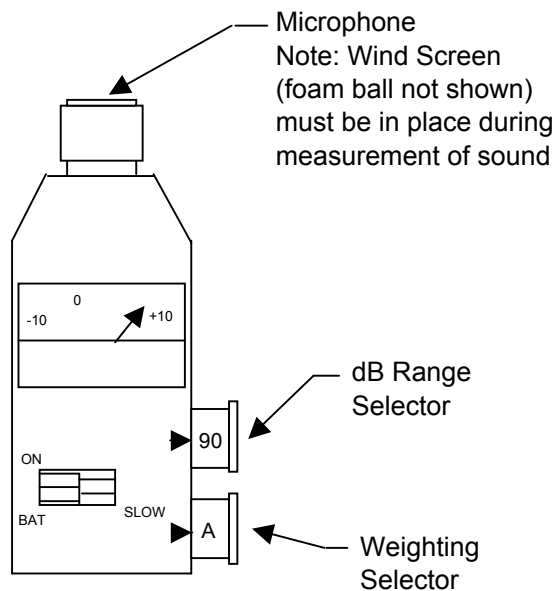


SOUND LEVEL METER OPERATING INSTRUCTIONS



Quest 215 Sound Level Meter

- 1) Remove meter from case, verify the meter has a current calibration sticker, install the wind screen over the microphone, and mount the meter on the pedestal. Note: Pedestal not required for helicopter testing.
- 2) Push the On-Off-Bat rocker switch to the "BAT" position and verify that the meter needle points to the green bar. If it does not, replace the batteries and check again.
- 3) Insure that the dB Range Selector is set on 90.
- 4) Insure that the Weighting Selector is set on A
- 5) Insure that the right hand rocker switch is in the "Slow" position (see above drawing).
- 6) Place the sound meter in the tray on the holding pedestal and fasten the meter to the tray with the bolt. Point the microphone directly at the propeller (See appendix 1).
- 7) Push the On-Off-Bat rocker switch to the "On" position.
- 8) Observe the location of the meter needle. It must be indicating in the 0 to + 10 range of the scale in order to make the most accurate measurement. Rotate the dB Range Selector knob to achieve this condition.
- 9) Observe the highest scale reading (between + 1 to + 10) achieved by the needle and add it to the value on the dB Range Selector knob. Record this value on the data sheet. For example, if the needle registered + 5 on the scale and the dB Selector knob was set at 90, the sound level would be 95 dB A.
- 10) After the sound data has been recorded, turn off the meter, remove the Wind Screen, remove the instrument from the pedestal and place them in the carrying case.