

# Sound Level Meter Instructions

<b>Start-up</b>		
1		<b>Switch</b> on Sound Level Meter (SLM). Wait for self-test to finish.
2		<b>Press</b> Recording/Start/Stop button.
<b>Perform SLM calibration</b>		
3		<b>Press</b> calibrate button.
4		<b>Set</b> decibel level (arrow buttons) to <b><u>94.0 dB</u></b> .
5		<b>Place</b> microphone into calibrator.
6		<b>Switch</b> on calibrator. Wait a few seconds for it to warm up
7		<b>Press</b> Recording/Start/Stop button. Wait for calibration to be completed.
8		<b>Set</b> screen (if necessary) to be reading <b>Peak &amp; AF Inst.</b> To change screen reading use the Display/Calibrate abort button.
9		<b>Press</b> Display/Calibrate abort button as many times as required to display the correct screen. <b>AF Inst</b> reading will be <b><u>94.0 dB</u></b> .
10		<b>If</b> incorrect, restart the calibration test. ( <b>#3-#9</b> ).
11		<b>Record</b> calibration number on formset. (94.0 dB)
12		<b>Remove</b> the microphone from the calibrator.

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<b><i>Perform background noise test</i></b>		
13		<b>Set</b> screen to be reading <b><u>MaxP &amp; AF MaxL</u></b> . To change screen reading use the Display/Calibrate abort button.
14		<b>Press</b> Recording/Start/Stop button.
15		<b>Wait</b> <b><u>10 seconds</u></b> .
16		<b>Press</b> Recording/Start/Stop button.
17		<b><u>Record AF MaxL</u></b> dB reading on formset.
<b><i>Perform Noise measurement.</i></b>		
18		<b>Press</b> Recording/Start/Stop button when RPM is constant.
19		<b>Hold</b> RPM for <b><u>1 second</u></b> .
20		<b>Release</b> accelerator and continue recording for <b><u>7 seconds</u></b> .
21		<b>Press</b> Recording/Start/Stop button.
22		<b><u>Record AF MaxL</u></b> dB on formset.
23		<b><u>Repeat</u></b> noise test twice more. <b><u>(#18-#22)</u></b>
<b><i>Perform final checks</i></b>		
24		<b><u>Record background noise AF MaxL</u></b> dB level on formset.
25		<b>Recheck</b> calibration of SLM by placing the microphone into the switched on calibrator and checking the dB reading on the <b><u>AF Inst</u></b> screen.
26		<b><u>Record AF Inst calibration</u></b> dB on formset.
27		<b><u>Switch off SLM</u></b> .

# **Sound Level Meter Instructions**