

Sound Level Meter Instructions

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

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

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