


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p>UKAS CALIBRATION</p> <p>0607</p> <p>Accredited to ISO/IEC 17025:2005</p>	<h3>MTS Calibration Ltd</h3> <p>Issue No: 010 Issue date: 23 December 2010</p>	
	<p>17 Elvington Close Billingham Cleveland TS23 3YS</p>	<p>Contact: Mr R A Sherris Tel: +44 (0)1642 876410 Fax: +44 (0)1723 500094 E-Mail: dmarsh@slmcal.co.uk tsherris@slmcal.co.uk Website: http://www.slmcal.co.uk</p>
<p>Calibration performed at the above address only</p>		

DETAIL OF ACCREDITATION

Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ($k=2$)	Remarks
Sound calibrators			
Sound pressure level of sound calibrators	250 Hz 1000 Hz	0.14 dB 0.14 dB	For use with half-inch microphones: Brüel & Kjær type 4133 GRAS 40AG
Microphone free-field frequency response			Using substitution method
Larson Davis Model 2541	50 Hz to 80 Hz 100 Hz to 5 kHz 6.3 kHz to 10 kHz 12.5 kHz to 20 kHz	0.70 dB 0.70 dB 0.70 dB 0.70 dB	
Measured free-field sensitivity in any third octave band within the specified range	250 Hz	0.60 dB	
Any other half-inch diameter microphone satisfying the WS-2 geometry specified in BS EN 61094 Part 1: 1995	50 Hz to 80 Hz 100 Hz to 5 kHz 6.3 kHz to 10 kHz 12.5 kHz to 20 kHz	0.80 dB 0.80 dB 0.70 dB 0.70 dB	
Measured free-field sensitivity in any third octave band within the specified range	250 Hz	0.70 dB	
Sound Level Meters Verification of sound level meters	BS 7580:Part 1:1997	See remarks	Verification of Type 0, 1 & 2 SLMs originally manufactured in accordance with BS EN 60651:1994 BS EN 60804:1994 and for which appropriate correction factors are known and agreed



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Sound level meter filters Octave and one-third octave band, sound level meter based Filter shape relative to the attenuation @ 1 kHz on the 1 kHz filter		0.42 dB at other frequencies within the pass-band of the filter, 2.40 dB for frequencies outside the pass-band	Filters originally manufactured in accordance with IEC 225:1966 or IEC 61260:1995 (BS EN 61260:1996) or in accordance with ANSI S1.4-1983, S1.4a-1985 or ANSI S1.43-1997 in combination with a sound level meter will be tested against BS EN 61260:1996
END			