


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS CALIBRATION 0801</p> <p>Accredited to ISO/IEC 17025:2005</p>	<h3>University of Salford</h3> <p>Issue No: 009 Issue date: 24 January 2011</p>	
	<p>School of Computing, Science & Engineering Newton Building The Crescent Salford M5 4WT</p>	<p>Contact: Ms C Lomax Tel: +44 (0)161 295 3030 /(0)161 295 3319 Fax: +44 (0)161 295 4456 E-Mail: C.Lomax1@salford.ac.uk Website: www.cse.salford.ac.uk/calibration</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 & pistonphones Sound pressure level of pistonphones	250 Hz	0.09 dB	With microphone types: GRAS type 40AG B & K type 4192
Sound pressure level of sound calibrators	250 Hz 1000 Hz	0.09 dB	With microphone types: GRAS type 40AG B & K type 4192
Microphones Pressure sensitivity of microphones	250 Hz 1000 Hz	0.09 dB	WS2 microphones
Sound level meters Verification of Sound Level Meters	BS 7580:Part 1:1997	See remarks	Verification of Type 1 Sound level meters originally manufactured in accordance with BS EN 60651:1994 BS EN 60804:1994 and for which required correction factors are known and agreed.
Verification of Sound Level Meters	BS EN 61672-3: 2006 as modified by UKAS TPS 49 Edition 2: June 2009	See remarks	Class 1 & 2 Sound Level Meters originally manufactured in accordance with IEC 61672-1:2002 and for which required correction factors are known and agreed
Filters - one-third octave band, sound level meter based	20 Hz to 20 kHz	0.18 dB within filter pass band 0.21 dB outside filter pass band	Filters originally manufactured in accordance with IEC 61260:1995 (BS EN 61260:1996) in combination with a sound level meter



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Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty (k=2)	Remarks
Reverberation time	125 Hz 1 kHz 10 kHz Decay times: 300 ms 1 s 3 s 10 s	0.01 s @ 125 Hz, 1 & 10 kHz 0.02 s @ 125 Hz, 1 & 10 kHz 0.03 s @ 125 Hz & 1 kHz, 0.05 s @ 10 kHz 0.12 s @ 125 Hz & 1 kHz 0.17 s @ 10 kHz	Verification of specific RT modules on sound level meters using a transfer standard (electrical signals with a continuous decay)
Tapping Machines - verification	In support of BS EN ISO 140-7: 1998 Velocity Mass Time Distance: diameter radius of curvature Angle of fall	0.03 m/s 0.20 g 0.20 ms 0.01 mm 10 mm 0.10 °	

END