


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>0381</p> <p>Accredited to ISO/IEC 17025:2005</p>	<h3>SERCAL NDT Equipment Ltd</h3> <p>Issue No: 016 Issue date: 23 February 2011</p>	
	<p>Unit 1 Littleton Business Park Littleton Drive Off Cocksparrow Lane Huntington Cannock Staffordshire WS12 4TR</p>	<p>Contact: Mr A E P Dodd Tel: +44 (0)1543 570074 Fax: +44 (0)1543 570074 E-Mail: email@sercal.co.uk Website: www.sercal.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
ELECTRICAL VERIFICATION of ULTRASONIC FLAW DETECTION EQUIPMENT	As BS EN 12668-1:2010	Derived criteria See Note 1	<p>NOTES</p> <p>1. Calibration equipment and procedures meet the accuracy requirements of the standard.</p> <p>2. Calibration equipment and procedures meet the acceptance level criteria of Section 7 of the standard.</p> <p>3. Calibration equipment and procedures meet the requirements of the standard with the exception of clause 6.3.2, determination of resolution</p> <p>4. Calibration equipment and procedures meet the requirements of the standard.</p>
ELECTRICAL VERIFICATION of ULTRASONIC THICKNESS MEASURING EQUIPMENT	As Electrical Supply Industry Standard ESI 98-9:Issue 1:1985	Derived criteria See Note 2	
ELECTRICAL VERIFICATION of ULTRASONIC PROBES:	DIHM based on BS EN 15317:2007	Derived criteria See Note 3	
Nominal (0°) Compression wave probes for contact testing	As Electrical Supply Industry Standard ESI 98-7:Issue 1:1982	Derived criteria See Note 4	
Low frequency single crystal shear wave, angle probes	As Electrical Supply Industry Standard ESI 98-8:Issue 1:1982	Derived criteria See Note 4	
Single and twin crystal probes	As Electrical Supply Industry Standard ESI 98-2:Issue 1:1979	Derived criteria See Note 4	



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QUANTITIES			
The capabilities above are limited to the following quantities, ranges and uncertainties:			
DC Resistance	10 Ω to 1 k Ω	0.44 %	
DC Current	10 mA to 1 A	1.6 %	
DC Voltage	100 mV to 100 V	0.46 %	
AC Voltage	100 V to 1000 V	2.5 %	
	100 V to 150 V at 50 Hz	2.6 %	
	150 V to 240 V at 50 Hz	0.51 %	
Frequency	240 V to 1000 V at 50 Hz	2.6 %	
	10 Hz to 10 kHz	2.6 %	
Attenuation	10 kHz to 20 MHz	1.2 %	
	0 dB to 100 dB at 15 MHz and 20 MHz	0.34 dB	
Risetime	3 ns to 60 ns	3.7 ns	
END			