


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>0262</p> <p>Accredited to ISO/IEC 17025:2005</p>	<h3>Testing Calibration Services Limited</h3> <p>Issue No: 018 Issue date: 19 September 2008</p>	
	<p>Unit 5 Lincoln Business Park Lincoln Close Rochdale Lancs. OL11 1NR</p>	<p>Contact: Mr I C Clayton Tel: +44 (0)1706-359821 Fax: +44 (0)1706-712272 E-Mail: info@tcslab.co.uk Website: www.tcslab.co.uk</p>
<p>Calibration performed by the Organisations at the locations specified below</p>		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
<p>Address Unit 5 Lincoln Business Park Lincoln Close Rochdale Lancs. OL11 1NR</p> <p>Contact: Mr I C Clayton Tel: +44 (0)1706-359821 Fax: +44 (0)1706-712272 E-Mail: info@tcslab.co.uk</p>	Force	P

Site activities performed away from the locations listed above:

Location details	Activity	Location code
<p>Any customer premises</p> <p>Contact: Mr I C Clayton</p>	Force	S



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DETAIL OF ACCREDITATION

Measured Quantity Instrument or Gauge	Range	Best Measurement Capability Expressed as an Expanded Uncertainty ($k=2$)	Remarks	Location Code
<p>FORCE</p> <p>UNIVERSAL MATERIALS TESTING MACHINES</p> <p>Verification and calibration of the force measuring system by force proving instruments in Tension</p> <p>Verification and calibration of the force measuring system by force proving instruments in Compression</p> <p>Verification and calibration of the force measuring system by calibrated masses in Tension</p> <p>Verification and calibration of the force measuring system by calibrated masses in Compression</p>	<p>From 0.05 kN up to 500 kN for Class 0.5, 1, 2 and 3 machines to BS EN ISO7500-1:2004</p> <p>From 0.05 kN up to 500 kN for Class 0.5, 1, 2 and 3 machines to BS EN ISO7500-1:2004</p> <p>From 0.001N up to 500 N for Class 0.5, 1, 2 and 3 machines to BS EN ISO7500-1:2004</p> <p>From 0.001N up to 500 N for Class 0.5, 1, 2 and 3 machines to BS EN ISO7500-1:2004</p>	<p>0.22%</p> <p>0.22%</p> <p>0.10%</p> <p>0.10%</p>	<p>NOTES</p> <p>The uncertainties stated do not do not take into account the characteristics of the machine/instrument being calibrated/verified.</p>	<p>S</p>
<p>FORCE MEASURING DEVICES</p> <p>Calibration of push pull force measuring devices in tension and compression</p>	<p>From 0.001 N up to 2 kN</p>	<p>0.10 %</p>		<p>P</p>
<p>LENGTH</p> <p>Extensometer</p>	<p>As BS EN ISO 9513:2002 for the following classes and gauge lengths:</p> <p>Class 0.2 from 25 mm Class 0.5 from 10 mm Class 1 from 5 mm Class 2 from 5 mm</p> <p>Displacements 0.02 up to 2.5 mm</p> <p>As ASTM E83-06 for the following classes and gauge lengths:</p> <p>B-1 from 20 mm B-2 from 10 mm C from 5 mm</p> <p>Displacements 0.02 up to 2.5 mm</p>	<p>1.8 μm + (0.37 μm per mm)</p> <p>1.8 μm + (0.37 μm per mm)</p>		<p>S</p>



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EXTENSOMETRY (cont'd)				S
Extensometer	As BS ISO 5893:2002 for classes C, D and E			
	Displacements up to 600 mm	0.01 +(0.19 mm per metre)		
	600 up to 1200 mm	0.41 +(0.19 mm per metre)		
Testing machine crosshead displacement and speed	Up to 600 mm	0.01 + (0.19 mm per metre)		
	600 up to 1200 mm	0.41 + (0.19 mm per metre)		
	0 to 10 minutes	0.16 second		
END				