Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

0262

Accredited to ISO/IEC 17025:2005

Testing Calibration Services Limited

Issue No: 029 **Issue date**: 05 April 2018

Unit 5
Lincoln Business Park
Lincoln Close
Rochdale
Lancashire
OL11 1NR

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

Calibration performed by the Organisations at the locations specified below

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity	Location code
Address Unit 5 Lincoln Business Park Lincoln Close Rochdale Lancs OL11 1NR	**Contact** Mr I C Clayton	Force	P

Site activities performed away from the locations listed above:

Location details		Activity	Location code
Any customers' sites or premises must be suitable for the nature of the particular calibrations undertaken and will be the subject of contract review arrangements between laboratory and the customer.	**Contact** Mr I C Clayton	Force	S

DETAIL OF ACCREDITATION

Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty (*k*=2)	Remarks	Location Code
FORCE				
UNIVERSAL MATERIALS TESTING MACHINES				S
Verification and calibration of the force measuring system by force proving instruments in Tension	0.05 kN to 500 kN forClass 0.5, 1, 2 and 3 machines to BS EN ISO7500-1:2015 and ASTM E4-16	0.22 %		
Verification and calibration of the force measuring system by force proving instruments in Compression	0.05 kN to 500 kN for Class 0.5, 1, 2 and 3 machines to BS EN ISO7500-1:2015 and ASTM E4-16	0.22 %		
Verification and calibration of the force measuring system by calibrated masses in Tension	0.001 N to 500 N for Class 0.5, 1, 2 and 3 machines to BS EN ISO7500-1:2015 and ASTM E4-16	0.10 %		
Verification and calibration of the force measuring system by calibrated masses in Compression	0.001 N to 500 N for Class 0.5, 1, 2 and 3 machines to BS EN ISO7500-1:2015 and ASTM E4-16	0.10 %		
FORCE MEASURING DEVICES				P
Calibration of push pull force measuring devices in tension and compression	0.001 N to 2 kN	0.10 %		
Calibration of force measuring devices (e.g. strain gauged load cells and load measuring rings) but excluding proving devices in tension	From 0.001 N up to 2 kN From 0.05 kN up to 100 kN	0.10 % 0.41 %		
Calibration of force measuring devices (e.g. strain gauged load cells and load measuring rings) but excluding proving devices in compression	From 0.001 N up to 2 kN From 0.05 kN up to 180 kN	0.10% 0.41%		

Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty (k=2)	Remarks	Location Code
LENGTH				
Extensometer	As BS EN ISO 9513:2012 for the following classes and gauge lengths: Class 0.5 from 10 mm Class 1 from 5 mm Class 2 from 5 mm Displacements 0.02 mm to 51 mm As ASTM E83-16 for the following classes and gauge lengths: B-1 from 20 mm B-2 from 10 mm C from 5 mm Displacements 0.02 mm to 51 mm As BS ISO 5893:2002 for classes C, D and E Displacements 0.50 mm to 50 mm 50 mm to 1200 mm	 1.1 μm + (0.37 μm per mm) 1.1 μm + (0.37 μm per mm) 0.0056 mm + (0.19 mm per m) 0.090 mm + (0.19 mm per m)		S
Testing machine crosshead displacement	0.50 mm to 50 mm 50 mm to 1200 mm	0.0056 mm + (0.19 mm per m) 0.090 mm + (0.19 mm per m)		S
Time	30 seconds to 10 minutes	0.11 s		S
END				