# Schedule of Accreditation

**issued by**

# United Kingdom Accreditation Service

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

**0790**

**Accredited to ISO/IEC 17025:2005**

## Phoenix Materials Testing Ltd

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**Unit 8**
**The Wallows Industrial Estate**
**Fens Pool Avenue**
**Brierley Hill**
**West Midlands**
**DY5 1QA**

**Contact: Vicki Wilkes**
**Tel: +44 (0)1384 480 545**
**Fax: +44 (0)1384 480 602**
**E-Mail: info@phoenix-mt.co.uk**
**Website: www.phoenix-mt.co.uk**


**Calibration performed by the Organisation at the locations specified below**

**Locations covered by the organisation and their relevant activities**

**Site activities performed away from the locations listed above:**

| Location details | Activity | Location code |
|---|---|---|
| Customers' sites or premises<br><br>The customer's sites or premises must be suitable for the nature of the particular calibrations undertaken and will be subject of contract review arrangements between the laboratory and the customer | 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<br>UNIVERSAL MATERIALS TESTING MACHINES | | | | S |
| Verification and calibration of the force measuring system by force proving instruments in tension | 0.1 kN to 500 kN for Class 0.5, 1, 2 and 3 machines to BS EN ISO 7500-1:2015 | 0.24 % | | |
| | 0.05 kN to 2 MN for Class 1, 2 and 3 machines to BS EN ISO 7500-1:2015 | 0.32 % | | |
| Verification and calibration of the force measuring system by force proving instruments in tension | From 5.36 kN up to 2 000 kN to ASTM E4-16 | 0.32 % | | |
| Verification and calibration of the force measuring system by force proving instruments in compression | 0.1 kN to 500 kN for Class 0.5, 1, 2 and 3 machines to BS EN ISO 7500-1:2015 | 0.24 % | | |
| | 0.05 kN to 2 MN for Class 1, 2 and 3 machines to BS EN ISO 7500-1:2015 | 0.32 % | | |
| Verification and calibration of the force measuring system by force proving instruments in compression | From 8.63 kN up to 2 000 kN to ASTM E4-16 | 0.32 % | | |
| Verification and calibration of the force measuring system by calibrated masses in tension | 0.05 N to 270 N for Class 0.5, 1, 2 and 3 machines to BS EN ISO 7500-1:2015 | 0.10 % | | |
| Verification and calibration of the force measuring system by calibrated masses in compression | 0.05 N to 270 N for Class 0.5, 1, 2 and 3 machines to BS EN ISO 7500-1:2015 | 0.10 % | | |
| CREEP TESTING MACHINES | | | | S |
| Verification of the applied load using force proving instruments | 0.1 kN to 500 kN for Class 0.5, 1.0 and 2.0 machines to BS EN ISO 7500-2::2006 | 0.24 % | | |
| | 0.05 kN to 500 kN for Class 1, 2 and 3 machines to BS EN ISO 7500-2:2006 | 0.32 % | | |

| Measured Quantity Instrument or Gauge | Range | Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ($k$ = 2) | Remarks | Location Code |
|---|---|---|---|---|
| CREEP TESTING MACHINES (cont'd) | | | | |
| Verification of the applied load using masses | 0.05 N to 270 N for Class 0.5, 1.0 and 2.0 machines to BS EN ISO 7500-2:2006 | 0.10 % | | |
| LENGTH | | | | S |
| Extensometers | As BS EN ISO 9513:2012 for the following classes and gauge lengths:<br><br>Class 0.2 from 25mm<br>Class 0.5 from 10 mm<br>Class 1 from 5 mm<br>Class 2 from 5 mm | | | |
| | Displacements 0.02 mm to 5 mm | 3.0 μm ) | | |
| | As ASTM:E83-16 for the following classes and gauge lengths:<br><br>B-1 from 20 mm<br>B-2 from 10mm<br>C from 5 mm | | | |
| | Displacements 0.02 mm to 5 mm | 3.0 μm | | |
| Cross head and actuator displacement | 0.02 mm to 50 mm<br>50 mm to 100 mm | 0.054 mm<br>0.064 mm | | |
| END | | | | |