


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS CALIBRATION</p> <p>0773</p> <p>Accredited to ISO/IEC 17025:2005</p>	<h3>TRAC Measurement Systems Ltd</h3> <p>Issue No: 004 Issue date: 27 March 2007</p>	
	<p>Unit 1, Hortonwood 32 Telford Shropshire TF1 7EU</p>	<p>Contact: Mr P Wood Tel: +44 (0)1952 676888 Fax: +44 (0)1952 676975 E-Mail: paul.wood@trac-group.com Website: www.trac-group.com</p>
<p>Calibration performed at the above address only</p>		

DETAIL OF ACCREDITATION

Measured Quantity Instrument or Gauge	Range	Best Measurement Capability Expressed as an Expanded Uncertainty ($k=2$)	Remarks
<p>RANGE IN MILLIMETRES AND UNCERTAINTY IN MICROMETRES UNLESS OTHERWISE STATED</p>			
LENGTH			NOTES
Plain plug gauges (parallel) cylindrical setting standards and rollers	From 1 up to 3 diameter Above 3 up to 100 Above 100 up to 150 Above 150 up to 300	0.5 1 1.5 2	<p>1. All calibrations must be carried out in accordance with procedures agreed by UKAS.</p> <p>2. In addition to the above items, other similar items, including parts of measuring instruments and machines, may be calibrated (See Note 1) to the uncertainties stated. Where the item or part calibrated is of lower quality due to wear, errors in geometry or form, or poor surface texture, or where any other factor adversely affects the measurement capability, greater uncertainties must be quoted.</p> <p>3. The uncertainty quoted is for the departure from flatness, straightness, or squareness, ie the distance separating the two parallel planes which just enclose the surface under consideration.</p>
Plain plug gauges, taper	Up to 100	2.5	
Plain gap gauges (parallel)	From 2 up to 100 Above 100 up to 200 Above 200 up to 300	2 5 8	
Length gauges, flat and spherical ended	Up to 300	1 + (8 x length in m)	
Engineers parallels	As BS 906:1972 up to 50 x 100 x 400	Dependent on size and grade From 1.5 up to 5	
Vee blocks	As BS 3731:1987 up to 150	Dependent on size and grade From 2.5 up to 5	
Receiver and position gauges, jigs and fixtures	Maximum dimensions 900 x 600 x 300	10	
Beverage can masters		5	
ANGLE			
Squares Blade type	As BS 939:1977 up to 150	3 See Note 3	
Right angle and box angle plates	BS 5535:1978	Squareness: 3 + (1 per 100 mm) Parallelism: 1 + (1 per 100 mm)	See Note 3



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RANGE IN MILLIMETRES AND UNCERTAINTY IN MICROMETRES UNLESS OTHERWISE STATED			
MEASURING INSTRUMENTS AND MACHINES			
Micrometers External (including ball and thread micrometers) Internal Depth	As BS 870:1950 As BS 959:1950 As BS 6468:1984 and up to 300] Heads: 2.0 Setting and extension rods: 1.0 + (8 x length in m)	
Micrometer heads	As BS 1734:1951		1.0
Micrometer, 3 point bore	Up to 150	5.0	
Bench micrometer		Overall performance 2.0	
Bevel protractors	As BS 1685:1951	1 min of arc + 1 vernier division	
Vernier calliper, height and depth gauges (including digital and dial instruments)	As BS 887:1982] and BS 1643:1983] Up to 1 m] Overall performance: 10 + (30 x length in m)	
Dial gauges and dial test indicators	As BS 907:1965 and BS 2795:1981	1.0	
Comparators vertical, (external)	BS 1054:1975 up to 10 000 magnifications] 1% of range] Minimum 0.2	
Bench centres	Up to 1 m between centres	Linear dimensions 1 + (40 x length in m)	
Thread diameter measuring	As NPL Schedules MOY/SCM1/9 and MOY/SCM1/12 up to 300	Overall performance 3.5	
END			