


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p style="text-align: center;"><b>0138</b></p> <p style="text-align: center;">Accredited to <b>ISO/IEC 17025:2005</b></p>	<h3 style="margin: 0;">DH Budenberg Ltd</h3> <p style="margin: 0;">Issue No: 030    Issue date: 10 March 2011</p>	
	<p><b>2 Gilchrist Road</b>  <b>Northbank Industrial Estate</b>  <b>Irlam</b>  <b>Manchester</b>  <b>M44 5AY</b></p>	<p><b>Contact: Mr M Parkinson</b>  <b>Tel: +44 (0)844 406 0086</b>  <b>Fax: +44 (0)844 406 0087</b>  <b>E-Mail: malcolm.parkinson@dh-budenberg.co.uk</b>  <b>Website: www.dh-budenbergltd.com</b></p>
<p><b>Calibration performed at the above address only</b></p>		

### DETAIL OF ACCREDITATION

Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty (k = 2)	Remarks
<b>PRESSURE</b>			
<u>Gas pressure (absolute)</u>			
Calibration of pressure indicating instruments and gauges	10 kPa to 100 kPa 100 kPa to 4 MPa 4 MPa to 7 MPa	0.0065 % + 15 Pa 0.0040 % + 15 Pa 0.0050 % + 15 Pa	
<u>Gas pressure (gauge)</u>			
Determination of effective area of Dead Weight Testers and "Pressure equivalent" calibration of Dead Weight Testers (pressure balances supplied with an associated mass set)	3.5 kPa to 10 kPa 10 kPa to 4 MPa 4 MPa to 7 MPa 7 MPa to 14 MPa	0.0040 % + 0.090 Pa 0.0040 % 0.0050 % 0.0080 %	
Calibration of pressure indicating instruments and gauges	- 90 kPa to - 10 kPa - 3.5 kPa to - 10 kPa 3.5 kPa to 10 kPa 10 kPa to 4 MPa 4 MPa to 7 MPa 7 MPa to 14 MPa	0.0065 % 0.010 % 0.0065 % 0.0040 % 0.0050 % 0.0080 %	
<u>Hydraulic pressure (absolute)</u>			
Calibration of pressure indicating instruments and gauges	110 kPa to 700 kPa 700 kPa to 140 MPa	0.0040 % + 25 Pa 0.0050 %	
<u>Hydraulic pressure (gauge)</u>			
Determination of effective area of Dead Weight Testers and "Pressure equivalent" calibration of Dead Weight Testers (pressure balances supplied with an associated mass set)	600 kPa to 6 MPa 6 MPa to 20 MPa 20 MPa to 50 MPa 50 MPa to 500 MPa	0.0040 % 0.0045 % + 0.20 ppm/MPa 0.0035 % + 0.12 ppm/MPa 0.0035 % + 0.10 ppm/MPa	



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Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ( $k = 2$ )	Remarks
PRESSURE (cont'd) <u>Hydraulic pressure (gauge)</u> (cont'd)  Calibration of pressure indicating instruments and gauges	10 kPa to 600 kPa 600 kPa to 6 MPa 6 MPa to 20 MPa 20 MPa to 100 MPa 100 MPa to 250 MPa 250 MPa to 400 MPa 400 MPa to 500 MPa	0.0040 % + 20 Pa 0.0040 % 0.0050 % 0.0035 % 0.0040 % 0.0050 % 0.0060 %	
MASS  Mass determination of DWT weights	0.1 g to 200 g 200 g to 1 kg 1 kg to 2 kg 2 kg to 4 kg 4 kg to 10 kg	0.50 mg 3.0 ppm 15 mg 20 mg 4.5 ppm	
END			