


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>UKAS</b> CALIBRATION</p> <p>0766</p> <p>Accredited to ISO/IEC 17025:2005</p>	<h3>Rotronic Instruments (UK) Limited</h3> <p>Issue No: 008    Issue date: 23 July 2010</p>	
	<p><b>Unit 1A</b> Crompton Fields Crompton Way Crawley West Sussex RH10 9EE</p>	<p><b>Contact: Mr Richard Gee</b> Tel: +44 (0)1293 571000 Fax: +44 (0)1293 571008 E-Mail: <a href="mailto:instruments@rotronic.co.uk">instruments@rotronic.co.uk</a> Website: <a href="http://www.rotronic.co.uk">www.rotronic.co.uk</a></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
DEW POINT and RELATIVE HUMIDITY			
Using a chilled mirror hygrometer			
Dew-point	- 60 ° to - 50 °C - 50 °C to 20 °C 20 °C to 70 °C	0.30 °C 0.22 °C 0.30 °C	
Temperature sensors incorporated in humidity instruments	0 °C to 10 °C 10 °C to 50 °C 50 °C to 70 °C	0.26 °C 0.17 °C 0.26 °C	
Relative humidity	Example conditions	Corresponding to above dew- point and temperature uncertainties	
	At 0 °C: 10 %rh to 20 %rh 20 %rh to 50 %rh 50 %rh to 95 %rh	0.30 %rh to 0.60 %rh 0.60 %rh to 1.4 %rh 1.4 %rh to 2.5 %rh	
	At 20 °C: 10 %rh to 20 %rh 20 %rh to 50 %rh 50 %rh to 95 %rh	0.30 %rh to 0.50 %rh 0.50 %rh to 0.90 %rh 0.90 %rh to 1.7 %rh	
	At 70 °C: 10 %rh to 20 %rh 20 %rh to 50 %rh 50 %rh to 95 %rh	0.30 %rh to 0.50 %rh 0.50 %rh to 1.0 %rh 1.0 %rh to 1.7 %rh	



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Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ( $k = 2$ )	Remarks
DEW POINT and RELATIVE HUMIDITY (continued)			
Using unsaturated salts capsules	<i>Temperature range 23 °C ± 2 °C:</i> 5 %rh 10 %rh 11 %rh 20 %rh 35 %rh 50 %rh 65 %rh 75 %rh 80 %rh 95 %rh	0.50 %rh 0.50 %rh 0.50 %rh 0.60 %rh 0.70 %rh 1.1 %rh 1.0 %rh 1.3 %rh 1.3 %rh 1.3 %rh	
Using unsaturated salts capsules	<i>Temperature range 5 °C to 50 °C:</i> 5 % rh to 95 % rh	2.0 %rh	
Saturated salt capsules	5 % rh to 95 % rh	1.6 % rh	
TEMPERATURE			
Temperature indicators and recorders, with temperature sensor(s).			
In air chamber	0 °C to 10 °C 10 °C to 50 °C 50 °C to 70 °C	0.26 °C 0.17 °C 0.26 °C	
In liquid bath	- 10 °C to 0 °C 0 °C to 125 °C	0.080 °C 0.070 °C	
END			