

## CERTIFICATE OF CALIBRATION

The under-mentioned item has been calibrated at the following points in the Michell Instruments' Humidity Calibration Laboratory against test equipment traceable to the NATIONAL PHYSICAL LABORATORY, Middlesex, United Kingdom and to the NATIONAL INSTITUTE OF STANDARDS & TECHNOLOGY, Gaithersburg, Maryland, USA.

<b>Certificate Number</b>	60510	<b>Order Number</b>	A83190.1
<b>Test Date</b>	3 Apr 2020	<b>Test Equipment</b>	Q0562/Q0573/Q0258
<b>Serial Number</b>	166106	<b>Sensor Serial Number</b>	165171
<b>Product</b>	Optidew 501		

<b>Generated Dewpoint ° C</b>	<b>Instrument Display Dewpoint° C</b>	<b>Instrument Display Correction °C</b>
-20.18	-20.23	+0.05
0.23	0.19	+0.04
18.55	18.60	-0.05
39.93	39.97	-0.04

Remote PRT 166107 read 21.32°C at a temperature of 21.32°C  
Sensor Configuration Code: 1BCCCBAZZZZ

**Comments:**

Calibration PASS. The results are within specification at the measured points.

**NOTE** Traceability to National Physical Laboratory is over the range -90°C to +90°C.  
Traceability to National Institute of Standards and Technology is over the range -75°C to +20°C  
Uncertainty of measurement:  
+/- 0.20°C @ +20°C DP increasing linearly to +/- 0.40°C @ -60°C DP then rising linearly to +/- 0.63°C @ -75°C DP  
+/- 0.31°C between +20°C DP and +82°C DP  
The uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95 %

**Approved Signatory**



**7 Apr 2020**