

Certificate of Temperature Calibration

Nbr: 33699

Model MP101A-C4 **SN** 41992
Laboratory Conditions: 23.0 Deg C 45.0 %RH

In reference to the values published in standard DIN 43760, the manufacturer of the Pt100 RTD used in this instrument has specified a maximum tolerance of $\pm 0.2^{\circ}\text{C}$ at -100, 0, and 100°C.

This instrument was placed in a ventilated tunnel having a minimum air velocity of 180 Ft/min. and calibrated against a certified thermometer traceable to the National Institute of Standards and Technology.

Based on the procedure describe in C_Proc_101.02, the accuracy of this unit had been found to be as follows:

	Reference	Reading	Correction
Thermometer: Deg C	24.33	24.36	-0.03

Reference Instrument	S/N	Cal Date	Recal Due	Report Number
973 Hygrometer	11-0804	11/20/14	11/20/15	12490
5611A Thermistor	111032318	9/5/14	9/5/15	B4828060
1504 Readout	B51968	5/21/15	5/21/16	B5521057

Comments/Exceptions:

By: 
Rotronic Instrument Corp

Date 7/17/2015

Certificate of Humidity Calibration

Nbr 33699

Model MP101A-C4 SN 41992

Laboratory Conditions: 23.0 Deg C 45.0 %RH


This instrument was placed in a ventilated tunnel having a minimum air velocity of 180 Ft/min. and calibrated using procedure C_Proc_101.02 against two reference instruments. Calibration of the reference instruments was performed with both saturated salt solutions and with a certified chilled mirror hygrometer traceable to the National Institute of Standards and Technology. A certified thermometer traceable to NIST was used to monitor temperature. The % RH values of the saturated salt solutions were taken from the tables published by the National Bureau of Standards (now NIST), L. Greenspan, Journal of Research, Vol. 81A, and January – February 1977. Details regarding calibration with saturated salt solutions may be found in ASTM standard E104-85.

Based on the above procedures, the accuracy of this instrument has been found to be as follows:

Reference %RH	Reading %RH	Correction %RH
0.32	0.37	-0.05
35.12	35.09	0.03
79.97	80.20	-0.23

Reference Instrument	S/N	Cal Date	Recal Due	Report Number
973 Hygrometer	11-0804	11/20/14	11/20/15	12490
5611A Thermistor	111032318	9/5/14	9/5/15	B4828060
1504 Readout	B51968	5/21/15	5/21/16	B5521057

Comments/Exceptions:

By: 
Rotronic Instrument Corp

Date 7/17/2015