

Kestrel® Pocket Weather® Meters
Certificate of Calibration – Globe Thermistor

Order #: 0123456
Customer #: JOE01
Instrument: Kestrel 5000 Environmental Meter
Instrument Serial No: 1234567
Calibration Date: 1-Oct-16

Customer PO#: PO243
Customer Name: Joe Kestrel
Manufacturer: Nielsen-Kellerman
Impeller Serial No: IMP 7894561
Recalibration Due: 1-Oct-17 12 Months

The above designated instrument was calibrated on the date shown in direct comparison to a Ametek Model DTI050 Digital Thermometer, Serial No. 2941072, Probe Serial No. 621609-06. The Standard Thermometer is traceable to NIST (National Institute of Standards and Technology) and was last calibrated on 18-December-2015. The accuracy of the Standard is verified at planned intervals by comparison to pressure standards traceable to NIST. The Standard's maximum combined uncertainty is $\pm 0.020^{\circ}\text{C}$.


The **Kestrel 5000 Environmental Meter** has a published Globe Temperature accuracy of \pm N/A in the range of N/A

Point	Reference	Acceptable Limits	DUT as Found	Difference
1	-10.0 °C	-11.0 to -9.0 °C	-9.9 °C	0.1 °C
2	50.0 °C	49.0 to 51.0 °C	50.2 °C	0.2 °C

NOTES:

- Calibration was performed in a temperature-controlled chamber maintained at 25° C.
- There was no measurable air flow or solar load on the globe thermistor, in order to properly measure the air temperature without effects of the globe. Nominal time at each calibration value was 1 hour.
- Problems noted: None
- Instrument was received **in** tolerance for Temperature.
- Instrument was received **out of** tolerance for Temperature.
- No change was made to instrument.
- The *maximum* recommended recalibration interval is 24 months. This instrument should be recalibrated sooner if it is frequently used at the extremes of the specified operational range. A shorter recalibration interval may also be required by user guidelines or advisable if maximum accuracy is required for the instrument application.

Technical Operator: 
 John Smith

Approved By: 
 Nils Steffensen, Director of Engineering

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The above unit was tested according to NK's procedure number: NIST Verification 2008.10.01

This calibration certificate shall not be reproduced except in full without the written approval of Nielsen-Kellerman Co.

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