

Kestrel® Pocket Weather® Meters

Certificate of Calibration – Temperature

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
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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 $\pm 0.020^{\circ}\text{C}$.

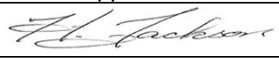
The **Kestrel 5000 Environmental Meter**


has a published Temperature accuracy of \pm 0.5 °C in the range of -29 to 70 °C

Point	Reference	Acceptable Limits	DUT as Found	Difference
1	-10.0 °C	-11.0 to -9.0 °C	-10.1 °C	-0.1 °C
2	50.0 °C	49.0 to 51.0 °C	50.1 °C	0.1 °C

NOTES:

- Calibration was performed in a temperature-controlled chamber maintained at 25° C. 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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