

# Ultra-High Accuracy and Resolution Digital Thermistor Thermometer



**Free Charting Software Included**

HH42A shown smaller than actual size.



- ✓ Works with Standard OMEGA® “400” Series Thermistor Probes with Phone Jack Termination
- ✓ Ultra-High Accuracy, up to  $\pm 0.015^{\circ}\text{C}$  ( $\pm 0.027^{\circ}\text{F}$ )
- ✓ Includes NIST Traceable Calibration Certificate
- ✓ High Resolution, up to  $0.01^{\circ}\text{F}$  or  $^{\circ}\text{C}$
- ✓  $-20$  to  $130^{\circ}\text{C}$  ( $-4$  to  $266^{\circ}\text{F}$ ) Temperature Range
- ✓ USB Communications
- ✓ Hold Function, Auto Shutoff, Over/Under Range and Low Battery Indication

## Specifications

**Resolution:**  $0.01^{\circ}\text{C}$   
**Temperature Range:**  $-20$  to  $130^{\circ}\text{C}$  ( $-4$  to  $266^{\circ}\text{F}$ ) (dependent upon probe selection)  
**Display:**  $^{\circ}\text{C}$  or  $^{\circ}\text{F}$   
**Thermometer Measurement Accuracy:**  $\pm 0.02^{\circ}\text{C}$   
**Total Accuracy and Temperature Range:** Combination of the meter and the probe being used  
**Data Sample Rate:** Approximately 7 samples/second  
**Storage Conditions:**  $10$  to  $60^{\circ}\text{C}$  ( $50$  to  $140^{\circ}\text{F}$ ),  $0$  to  $70\%$  RH  
**Operating Conditions:**  $10$  to  $40^{\circ}\text{C}$  ( $50$  to  $104^{\circ}\text{F}$ ),  $0$  to  $85\%$  RH  
**Output to Computer:** USB  
**Power:** 9V battery (included)  
**Recalibration:** Recommended every 12 months

The OMEGA® HH42A digital thermometer is the most recent addition to a series of instruments based upon our high precision temperature measurement system technology.

This instrument provides the accuracy and resolution needed to meet the measurement needs of a precision laboratory or critical process control and testing functions. Free software is included enabling users to start recording, charting, and storing data in a familiar file format on their PC within minutes of opening the box. A well-defined command set and output data format allows users to easily connect computer systems to the thermometer to create custom displays and report formats.

There are a wide range of custom designed application specific thermistor probes that can be selected for use with this instrument. See OMEGA's ON-400 Series online for a broad selection of interchangeable probes.



OMEGACARE<sup>SM</sup> extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARE<sup>SM</sup> covers parts, labor and equivalent loaners.



OMEGA® ON-400 Series thermistor probes (sold separately).

## To Order

Model No.	Description
HH42A	Precision handheld thermometer including software

## Accessories

Model No.	Description
HH40-AC	110 Vac adaptor
HH40-AC220	220 Vac adaptor
MN1604	Spare battery

Comes complete with software CD, 9V battery, USB cable and NIST calibration with points.