

UT-ONE B03B

3-Channel Thermometer Readout

BATEMIKA
measurement solutions



Highlights

- ❖ Three channel temperature measurement
- ❖ High accuracy, stability and repeatability
- ❖ **Platinum resistance thermometers with improved accuracy**
- ❖ **Thermistors with increased range**
- ❖ Thermocouples
- ❖ **4-wire, 3-wire and 2-wire resistance measurement**
- ❖ Air temperature and relative humidity
- ❖ Banana connectors for maximum flexibility
- ❖ USB and serial communication interface
- ❖ External supply and battery operation
- ❖ Single or continuous measurement mode
- ❖ Standard and custom probe characterization

Specifications Summary

Type	Range	Accuracy
Platinum resistance thermometers	-200 °C to 960 °C (0 to 800 Ω) *	±0.004 °C **
Thermistors	-100 °C to 200 °C (0 to 80 kΩ) *	±0.001 °C **
Thermocouples	-200 °C to 1800 °C (±100 mV) *	±0.1 °C **
Air temperature	-20 °C to 70 °C	±0.5 °C
Relative humidity	10% to 90% r.h.	±2.0% r.h.
Internal CJC digital thermometer	5 °C to 45 °C	±0.4 °C

* Readout only, actual range may be limited by probe specification

** Readout only, typical value. Visit our website www.batemika.com to get detailed specification.

Ordering Information

Description	Order code
UT-ONE B03B thermometer readout	BH-B041
Ambient conditions probe (air temperature and relative humidity) *	BH-B004
Plastic carrying case *	BA-G012
LabVIEW driver and application *	BS-B005
Elpro Pt-100 probe for climatic chamber validation*	BH-P035
AccuMac temperature probes *	BH-P030
External reference resistor *	BH-B006

* Optional accessory