

UT-ONE S12B

12-Channel Thermometer Readout

BATEMIKA
measurement solutions

Highlights



- ❖ Ideal for **climatic chamber validation**
- ❖ Large-volume thermometer calibrations
- ❖ 12-channel temperature measurement
- ❖ Platinum resistance thermometers, thermistors and thermocouples
- ❖ 4-wire, 3-wire and 2-wire resistance measurement
- ❖ Air temperature and relative humidity
- ❖ Banana connectors for maximum flexibility
- ❖ USB communication interface
- ❖ RS232 and GPIB+RS232 interface options
- ❖ Internal flash memory for measurement storage
- ❖ Isolated inputs
- ❖ Standard and custom probe characterization
- ❖ Acquisition software and LabVIEW drivers available free of charge

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 %rh to 90 %rh	±2.0 %rh
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 S12B 12-channel thermometer readout	BH-B042
Ambient conditions probe (air temperature and relative humidity) *	BH-B004
RS232 interface option*	BH-B013
GPIB+RS232 interface option*	BH-B009
Plastic carrying case with customized foam insert *	BA-G012
External reference resistor *	BH-B006

* Optional accessory