UT-ONE L01A

Rugged Thermometer Readout

Highlights

- ❖ Ideal for **temperature monitoring in harsh environments**
- ❖ *Long-term monitoring of climate conditions*
- ❖ *Monitoring in industrial environment*
- ❖ *Integration in automated test equipment*
- ❖ *Single-channel temperature measurement*
- ❖ *Platinum resistance thermometer or thermistor option selectable at ordering*
- ❖ *4-wire resistance measurement*
- ❖ *Circular connector with IP68 ingress protection*
- ❖ *Off-the-shelf and easy-to-assemble connectors (Bulgin Buccaneer 400)*
- ❖ *Waterproof and shock-resistant design with machined aluminium housing*
- ❖ *RS232 interface with baud rates up to 250 kbauds*
- ❖ *USB to RS232 converter included for direct connection to a computer*
- ❖ *Internal flash memory for measurement storage*
- ❖ *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 **

Each device is configured either as Pt100 or thermistor option during manufacturing (not user changeable)
* 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 L01A Rugged thermometer readout	BH-B045
*External reference resistor * *	BH-B006

* Optional accessory