

## UBC1001 Sub Zero Block Calibrator

This truly portable block calibrator with its mains or vehicle battery power source really does allow you to verify the accuracy of sensors and thermometers anywhere. With its solid state Peltier coolers, it needs no refrigerant or compressors. It's at home in the laboratory or cargo hold of a ship. Need to verify the cold chain on refrigerated delivery vehicles?

Here is the answer. It's designed to be simple and convenient to use with hole to hole uniformity of better than 0.25°C. Its complete with leads and sense circuit for checking/calibration of thermostats. Used as part of your quality and traceability regime, QS 9000, ISO9000, HACCP etc. it will prove to be a winner.



### UBC1001 Calibration Block Configuration

2 x 13.3mm clearance pocket takes sleeves (included to give 9.5mm, 6.3mm, 4.7mm and 3.2mm).

Special sleeves are available extra at cost

## Specifications

**Range:** -15 to +130°C \* -4°F to 275°F using mains voltage  
-15 to +120°C \* 0.4°F to 248°F using 12V DC supply

**Accuracy:** -20 to 100°C ±0.25°C -4°F to 212°F ±0.9°F  
100 to 135°C ±0.5°C 212°F to 275°F ±1.6°F

**Stability:** ±0.25°C ±0.45°F **Pocket depth:** 100mm (4")

**Heating time:** Ambient to 100°C 5 minutes (add 30% for 12V DC)  
**Cooling time:** Ambient to 0°C 8 minutes (add 20% for 12V DC)

**Case size:** 95mm H x 290mm D x 180mm W.  
Carry case 130mm H x 300mm D x 350mm W.

**Weight:** 1.3kg (2.9lbs) **Power:** 110V AC ±15% 1 amps  
240V AC ±15% 0.5 amp  
12V DC ±0.5% 5 amps

**Certification:** UKAS (NAMAS) option available at extra cost.

**Ordering information:** UBC1001 °C or °F 240 or 110V  
UKAS (NAMAS) calibration -15, 0, 50, 100 and 125°C

**Standard available inserts:** insert 3.2mm (1/8"), insert 4.7 (3/8"), insert 6.3mm (1/4"), insert 7.9mm (5/16"), insert 9.5mm (3/8")  
insert 13mm (1/2") 14.3mm (9/16") 15mm (5/8")

\* Based on 20°C (79°F) ambient temperature

