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UBC1001 - 'Ice-O-Therm' Series – Sub Zero Block Calibrator

This truly portable block calibrator, with its mains or vehicle battery power source, allows you to verify the accuracy of sensors and thermometers anywhere. It's at home in the laboratory or the cargo hold of a ship. Need to verify the cold chain on refrigerated delivery vehicles? - Here is the answer.

Designed to be simple and convenient to use, it has solid-state peltier heater/coolers so it doesn't need refrigerant or compressors. It features a sense circuit for checking or calibration of thermostats and has a hole-to-hole uniformity of better than 0.2°C. Used as part of your quality and traceability regime, IS09001, HACCP etc, it will prove to be a winner.

Specifications

Based on 20°C (79°F) ambient temperature.

Range: -15 to +130°C (5°F to 275°F) using mains voltage
-15 to +120°C (5°F to 248°F) using 12V DC supply
(cools to 35°C below ambient, -25°C absolute minimum)

Accuracy: -15 to +100°C ±0.25°C (5°F to 212°F ±0.45°F)
100 to 130°C ±0.5°C (212°F to 266°F ±0.9°F)

Hole-to-hole Uniformity: ±0.2°C (±0.36°F)

Stability: ±0.25°C (±0.45°F)

Heating time: Ambient to 100°C stabilised 8 minutes*
Cooling time: Ambient to 0°C stabilised 8 minutes*

Pocket depth: 100mm (4")

Body Size: 210mm x 105mm x 300mm (WxHxD)

Weight: 5.6 kg (12.4 lbs)

Power: 240Vac ±15% 0.5A / 110Vac ±15% 1A (changeable†), 12V DC ±0.5% 5A
Supplied with a UK Power Lead (Other types are available, there may be an additional charge)

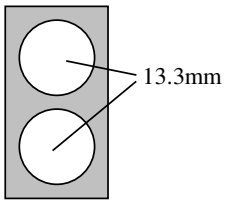
Certification: UKAS Thermal Survey optional at extra cost.

Carry Case: Foam lined aluminium flight case included as standard.
Size: 460 x 350 x 160mm (WxDxH)

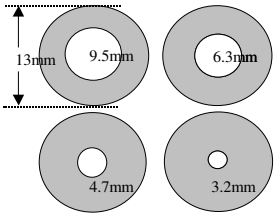
Calibration Block Configuration

The UBC1001 has two 13mm clearance pockets which take pocketed sleeves. It comes with 9.5mm, 6.3mm, 4.7mm and 3.2mm sleeves as standard. Additional sleeves are available at extra cost.

Block Size



Sleeve and Pocket Sizes



Other sizes available on request.

Ordering Codes

Voltage†	Temperature Scale
240	C
110	F

Examples:
240V Supply, °C Scale = UBC1001/240/C
110V Supply, °F Scale = UBC1001/110/F

Price: **£1950.00**
+ VAT & delivery

* When using 12V DC supply add 30% to heat figure and 20% to cooling figure.
† The AC operating voltage can easily be changed, by a competent person, by removal and reorientation of the fuse holder/voltage selector.