

UBC2010 (MkII) Block Calibrator

A portable Block Calibrator with interchangeable inserts to fit probes from 19mm to 1.5mm.

The UBC2010 Block Calibrator uses interchangeable sleeve inserts to fit the widest range of popular temperature sensor probe and thermostat diameters. The main pocket is 19.5mm in diameter and is available with a range of sleeves to fit various large diameter probes. The convenient size of the UBC2010 means true portability. Because the UBC2010's block is fan assisted, it heats, cools and stabilises in minutes - much quicker than many of its competitors. It also features a test circuit and buzzer for accurately checking thermostat switching temperatures.



Its low cost, accuracy and versatility make it at home in the factory, quarry or commercial premises that requires setting or validation of temperature equipment.

Specifications

Range:	50°C to 500°C	(95°F to 932°F*)
Accuracy:	50°C to 300°C	± 0.5°C
(With built-in display.)	300°C to 500°C	± 0.8°C
Well-to-Well	50°C to 300°C	0.4°C
Uniformity:	300°C to 500°C	0.8°C
Stability:	50°C to 300°C	± 0.1°C
	300°C to 500°C	± 0.2°C
Heating Time:	20°C to 500°C	16 minutes
Cooling Time:	500°C to 100°C	48 minutes
Block Depth:	140mm (5.5")	
Body Size:	225mm x 105mm x 270mm (310mm with handle)	
(WxHxD)		
Weight:	3.75kg (Without sleeves)	
Power:	240Vac ±15% 2.5A or 110Vac ±15% 5.5A (changeable [†]), via an IEC C13 inlet, supplied with a UK power lead. (Other leads are available, there may be an additional charge)	

Ambient operating temperature: 0 - 35°C

Certification: UKAS (ISO17025) Calibration & Thermal Survey optional at extra cost.

Sleeves/Inserts: Ordered separately at extra cost to match use requirements.

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

TMS Europe Ltd is a UKAS accredited calibration laboratory No. 0461. We are accredited for calibration on site and in our laboratory, as defined in our Schedule Of Accreditation (see www.tmseurope.co.uk/soa).

This datasheet applies to the current model only, for information on units purchased previously please contact us.

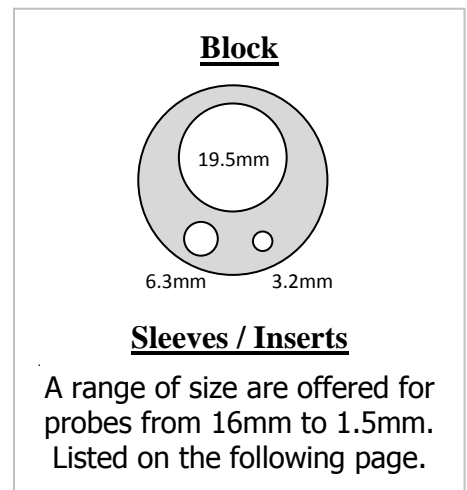
* Temperature Scale (°C/°F) cannot be changed by the user. A version operating in °F is available on request.

Sleeves from previous models or those not designed for the unit may discolour or deteriorate above 400°C.

† The operating voltage can easily be changed, by a competent person, by removal and reorientation of the fuse holder/voltage selector.

Mismatching of the operating voltage may cause damage to the unit that is not covered by the warranty.

Prices exclude VAT and carriage. Price correct at the time of publication. Price and specification subject to change without notice.



Price:
£1,600

TMS Block Calibrator Sleeves

We manufacture a range of sleeve inserts for use in our UBC ranges of dry well block calibrators. These are normally available from stock. All our HT coded high temperature sleeves listed below are anodised aluminium suitable for use up to 500°C in TMS dry well block calibrators. Other sleeves with bespoke sizes may also be available on request, with single unit prices from £150 and typical lead time being 4-8 weeks.

Small Sleeves

For UBC2001, UBC1001. Also for UBC2010 if used in conjunction with an L13HT sleeve as an adaptor.

TMS Stock Code	Short Code	Intended Probe Diameter		Sleeve Diameters		Sleeve Lengths		Price Each
		Metric	Imperial	ID (Inside)	OD (Outside)	Well	Total	
BLKUNS-S2HT	S2HT	2mm, 1.5mm	1/16"	2.2mm (6.5mm)	13mm	60mm (40mm)	106mm	£50
BLKUNS-S3HT	S3HT	3mm	-	3.2mm	13mm	100mm	106mm	£40
BLKUNS-S3PHT	S3PHT	-	1/8"	3.5mm	13mm	100mm	106mm	£50
BLKUNS-S4HT	S4HT	4.5mm	-	4.7mm	13mm	100mm	106mm	£40
BLKUNS-S5PHT	S5PHT	-	3/16"	5.1mm	13mm	100mm	106mm	£50
BLKUNS-S6HT	S6HT	6mm	1/4"	6.5mm	13mm	100mm	106mm	£40
BLKUNS-S8HT	S8HT	8mm	5/8"	8.4mm	13mm	100mm	106mm	£50
BLKUNS-S9HT	S9HT	9mm	-	9.5mm	13mm	100mm	106mm	£40

Large Sleeves

For UBC2010

TMS Stock Code	Short Code	Intended Probe Diameter		Sleeve Diameters		Sleeve Lengths		Price Each
		Metric	Imperial	ID (Inside)	OD (Outside)	Well	Total	
BLKUNS-L6HT	L6HT	6mm	1/4"	6.8mm	19.3mm	140mm	146mm	£50
BLKUNS-L10HT	L10HT	10mm	3/8"	10.5mm	19.3mm	140mm	146mm	£50
BLKUNS-L12HT	L12HT	12mm	-	12.3mm	19.3mm	140mm	146mm	£70
BLKUNS-L13HT	L13HT	13mm	1/2"	13.3mm	19.3mm	140mm	146mm	£50
BLKUNS-L14HT	L14HT	14mm	-	14.3mm	19.3mm	140mm	146mm	£50
BLKUNS-L15HT	L15HT	-	9/16"	15.0mm	19.3mm	140mm	146mm	£70
BLKUNS-L16HT	L16HT	16mm	5/8"	16.5mm	19.3mm	140mm	146mm	£70

Sleeve Packs

	Containing	TMS Stock Code	Price
Pack of 4 Small Sleeves	S3HT, S4HT, S6HT, S9HT	BLKUNS-KS1HT	£130
Pack of 4 Large Sleeves	L6HT, L10HT, L13HT, L14HT	BLKUNS-KL1HT	£160

