Dry Block Calibrator - mini volume

JUPIN

30°C to 600°C

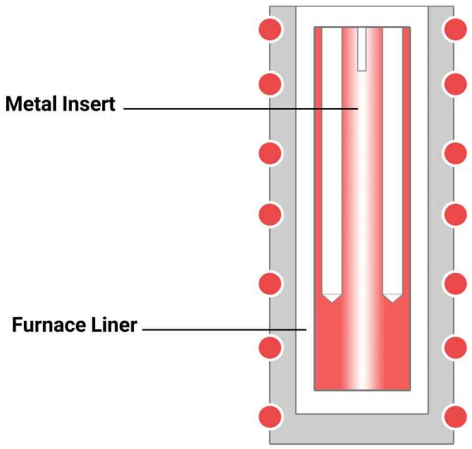
- **High Temperature Thermocouple Calibration Furnace**
- **Custom Furnace Design with Optimised Profile**
- **Small Size with Easy Portability**

The JUPIN range offers extreme high temperature calibration in an easy to use portable package - ideal for the calibration of high temperature thermocouples. It has been designed for fast heating and finds applications in the glass, electrical power, automotive and material processing industries.

A Blackbody target can be added for the calibration of infrared thermometers.

The standard insert has three 6.5 mm pockets 80mm deep. The metal insert is strategically placed beneath 50mm of insulation to provide optimal performance over the radiant temperature range. The optional Blackbody target is used with a specially angled Type S thermocouple that sits immediately behind the target area.

These calibrators are easy to use and are available in three versions ; the Basic, the Site and the Advanced. The Basic has a digital display of set and nominal temperature, the Site additionally includes an in-built independent temperature indicator for a reference probe All models include LUMA software and the Advanced models additionally include software to manage logged data and configure the unit.



Benefits

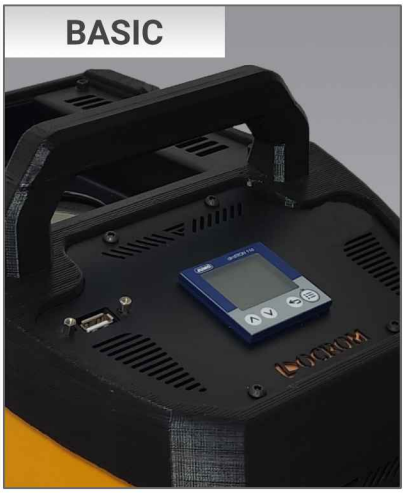
The jupin features a small tube furnace to allow operation to 600°C in a portable case. With a Copper furnace construction temperature gradients are larger than with lower temperature metal blocks. The locrom furnace benefits by using a specially wound furnace tube assembly. They are manufactured in our factory with the turns concentrated at the ends of the furnace, where the heat losses are greatest. This gives an improved temperature profile and lower uncertainty. Insulators are provided for the top and bottom of the furnace which further improve temperature uniformity. The effective immersion depth is 140mm, 80mm in the metal insert.

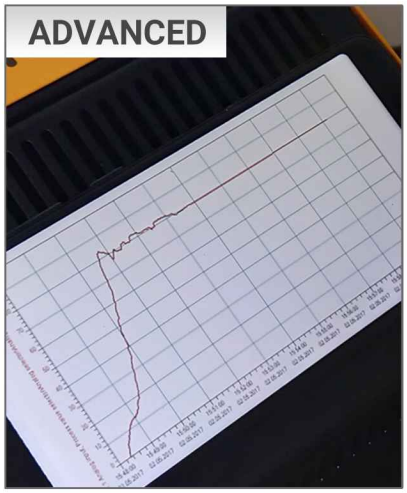
How to Order ?

www.locrom.com

JUPIN

Available in three different versions





Accessories & Features

High Temperature Calibrators

■ **Metal Block Bath**

Increase the stability of the block by using alumina bullets.

■ **Blackbody Source**

Add the Blackbody accessory to allow calibration of infrared thermometers

■ **Air Cooling**

For use with a compressor this accessory allows air to be below into the block for rapid cooling

■ **Metal Block Insert**

Standard Insert Included Four Pockets.pocket depth 100mm.

■ **Calibration**

Includes traceable calibration certificate for block temperature

■ **Some Basic Features**

Simple to Use & Outstanding Value
Rugged Case
Internal adjustment system
Ramp to Set Temperature
Auto tunning system
PC-interface

■ **Some Site Feature**

Accept Process Inputs Including 4-20 mA
Cold-junction adjustment
Reference Indicator
Reference Probe

■ **Some Advanced Features**

Touch Screen LCD
Support Languages
Connect More Reference Probes
Temperature Programmer
View from Phone , PC
Stability Graph
Stability Alarm
USB Port

JUPIN
technical Table & Charts

Parameter	Model
JUPIN	
Temperature Range	30°C to 600°C
Advanced Range	
Stability	±0.05°C @ 100°C ±0.1°C @ 600°C
Display Resolution	*0.01°C over whole range*
Accuracy: RTD Input Channel	±0.05°C ±0.05% RDG
Accuracy: Thermocouple Input Channel	E,J,K,N: ±0.2°C @ 600°C R: ±0.6°C S: ±0.7°C @ 600°C T ±0.2°C @ 150°C
CJC Accuracy	±0.35°C
Basic / Site Range	
Stability	±0.05°C @ 100°C ±0.1°C @ 600°C
Display Resolution	0.01°C from 30.00 to 99.99°C then 0.1°C
Common Specifications	
Display Accuracy	0.2°C
Blackbody Source	±0.3°C
Surface Sensor Calibrator	±0.3°C
Cools from 600°C to 150°C	in 30 minutes
Heats from 30°C to 600°C	in 20 minutes
Best Performance	See Graph
Calibration volume	25mm diameter by 140mm deep
Standard Insert	3 pockets,6.5mm diameter,all 80mm deep
Indicator units	°C
Power	115Vac or 230Vac 50/60Hz 1000 Watts
Dimensions	384H (including handle) x 212W x 312D mm
Weight	6 kg