VM2550

TOUCH-SCREEN DRY BLOCK CALIBRATORS

Dry Block Calibrator

Overview

▸ Advantages

- High Accuracy & Stability
- Fast Heating & Cooling
- Easy to Carry
- Intuitive Touch Operation
- Interchangeable Inserts
- Customizable Insert Holes
- Dual-Zone Control Options
- Intelligent Temperature Control
- USB Interface
- Stability Reminder
- Load & Sensor Protection
- Chinese / English Interface



Low Temperature Calibrators

Specifications | **Functions**

Temp. Range	Accuracy (°C)	Stability (°C)	Resolution (°C)	Block Dia. (mm)	Insertion Depth (mm)	Touch Screen	Interch. Inserts	Custom Holes	USB	Dual-Zone	Calibrator
−25 to 160 °C	±0.1	±0.005	0.001	Ø36	160	✓	✓	✓	✓	–	**VM2550-160A**
−35 to 160 °C	±0.1	±0.005	0.001	Ø32	160	✓	✓	✓	✓	–	**VM2550-160B**
−45 to 160 °C	±0.1	±0.005	0.001	Ø30	160	✓	✓	✓	✓	✓	**VM2550-160C**

Medium & High Temperature Calibrators

Specifications | **Functions**

Temp. Range	Accuracy (°C)	Stability (°C)	Resolution (°C)	Block Dia. (mm)	Insertion Depth (mm)	Touch Screen	Interch. Inserts	Custom Holes	USB	Dual-Zone	Calibrator
50 to 660 °C	±0.35 / ±0.5 *	±0.05	0.001	Ø25	155	✓	✓	✓	✓	✓	**VM2550-660**
100 to 1210 °C	±1.2	±0.1	0.001	Ø28	150	✓	✓	✓	✓	–	**VM2550-1210**

Standard Insert Holes (mm)

VM2550-160A	4 holes: 6 / 8 / 10 / 12
VM2550-160B	4 holes: 6 / 8 / 8 / 10
VM2550-160C	5 holes: 4 / 6 / 8 / 8 / 10
VM2550-660	3 holes: 8 / 8 / 8
VM2550-1210	3 holes: 6 / 8 / 10

* VM2550-660 accuracy: ±0.35 °C from 50 to 400 °C, ±0.5 °C from 400 to 660 °C. All models: 110 or 220 VAC, 45–65 Hz (VM2550-660 and VM2550-1210 auto-adapt); dimensions 330 × 170 × 320 mm; ambient 0–50 °C, 0–90 % RH non-condensing; accuracy guaranteed at 18–28 °C ambient.

Fast Heating & Cooling

Refrigerated models reach 160 °C from room temperature in 8–9 minutes. The VM2550-660 reaches 660 °C in 18 minutes, and the VM2550-1210 reaches 1,210 °C in 50 minutes.

Touch Screen Control

A 6.2-inch colour TFT touch screen with 0.001 °C display resolution, built-in step tasks and a temperature-curve view.

Dual-Zone Control

The VM2550-160C and VM2550-660 control two zones separately, giving an even axial temperature field along the sensor under test.

Interchangeable Inserts

Heat blocks with different hole sizes and quantities cover a wide range of sensor sizes. Special hole sizes can be customized; please specify when ordering.

Built-in Protection

Load short-circuit protection, load-break and sensor protection with pop-up alarms help keep the calibrator and your sensors safe.