VM3501

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
- Load Short-circuit Protection
- Sensor Protection
- USB Interface (optional)
- Data Recording (optional)
- Chinese / English Interface
- ℃ / ℉ Display



Low Temperature Calibrators

Specifications							Functions					
Temp. Range	Accuracy (℃)	Stability (℃)	Resolution (℃)	Block Dia. (mm)	Insertion Depth (mm)	Heat-up to Max.	Touch Screen	Interch. Inserts	Custom Holes	USB	Data Rec.	Calibrator
-20 to 150℃	±0.1	±0.02	0.01	36	160	40 min	√	√	√	*opt.*	*opt.*	**VM3501-150A**
-30 to 150℃	±0.1	±0.02	0.01	32	160	40 min	√	√	√	*opt.*	*opt.*	**VM3501-150B**

Medium & High Temperature Calibrators

Specifications							Functions					
Temp. Range	Accuracy (℃)	Stability (℃)	Resolution (℃)	Block Dia. (mm)	Insertion Depth (mm)	Heat-up to Max.	Touch Screen	Interch. Inserts	Custom Holes	USB	Data Rec.	Calibrator
35 to 650℃	±0.35 / ±0.5 *	±0.05	0.01	32	150	25 min	√	√	√	*opt.*	*opt.*	**VM3501-650**
300 to 1200℃	±1.2	±0.2	0.01	39	135	75 min	√	√	√	*opt.*	*opt.*	**VM3501-1200**

Standard Insert Holes (mm)

VM3501-150A	4 holes: 6 / 8 / 10 / 12
VM3501-150B	4 holes: 6 / 8 / 8 / 10
VM3501-650	Select one when ordering: 3 holes (8 / 10 / 12) or 4 holes (6 × 2, 8 × 2)
VM3501-1200	4 holes: 6 / 8 / 10 / 12

** ±0.35 ℃ below 400 ℃; ±0.5 ℃ from 400 to 650 ℃. Heat-up time measured from 30 ℃. All models: 220 VAC ±10%, 45–60 Hz (110 VAC optional); ambient 0–50 ℃, <95% RH non-condensing. Other temperature ranges and special hole sizes available on request.*

Fast Heating & Cooling

Efficient heating and cooling shorten the time needed for each calibration. The VM3501-650 reaches 650 ℃ in 25 minutes.

Touch Screen Control

A 5.7-inch full-color touch screen with 0.01 ℃ resolution keeps setup and operation simple.

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 switch and sensor protection help keep the calibrator and your sensors safe.

Data Recording (optional)

Record and export verification data over USB: up to 60 sensors and 600 records.