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Marketing Release - LTR-200

Content

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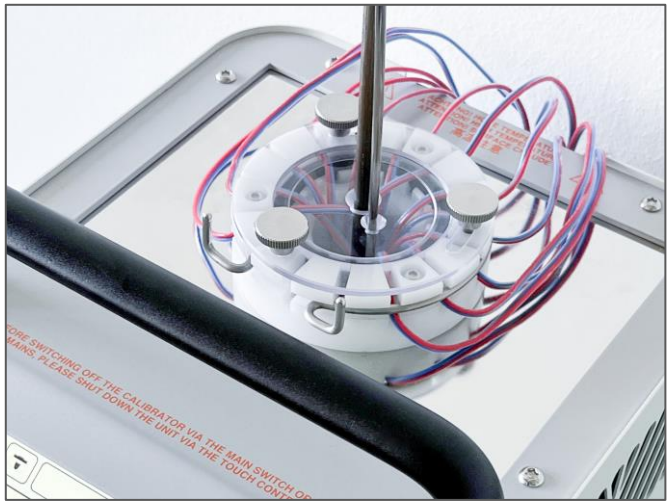
Product Pictures



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New Products – Home Page

LATEST PRODUCTS

Kaye LTR-200

The Kaye LTR-200 is a multi-purpose Temperature Calibrator specifically designed to address the capacity and flexibility needs for thermal validation. This essential Temperature Calibrator utilizes its ability to perform Temperature Calibration on up to 24 thermocouples capacity. Due to

LEARN MORE

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Product Subpage

Kaye LTR-200 - Hybrid Temperature Calibrator

FLEXIBLE - EASY TO USE FROM -50°C TO 200°C; 24 SENSOR CAPACITY

DESCRIPTION | FEATURES | APPLICATIONS | SPECIFICATIONS | DOWNLOADS

The Kaye LTR-200 is a multi-purpose Temperature Calibrator specifically designed to address the capacity and flexibility needs for thermal validation. This essential Temperature Calibrator utilizes its ability to perform Temperature Calibration on up to 24 thermocouples. Due to hybrid technology, the LTR-200 Temperature Calibrator saves hours of time and effort when calibrating or verifying validation Temperature Sensors.

The thermocouple fixture is seamlessly integrated into the well of the Temperature Calibrator. They guarantee easy handling of up to 24 TCs, ensuring that all the Temperature Sensors are securely held at full immersion depth during the Temperature Calibration process.

Notably, the LTR-200 Temperature Calibrator is backward compatible with the Kaye Validator AVS, Kaye Validator 2000, Kaye ValProbe or Kaye ValProbe RT software. This allows the Temperature Calibrator to provide automatic sensor calibration. Additionally, this versatile Temperature Calibrator is ideal for calibrating RTDs as well as a range of other process Temperature Sensors.

These features make the LTR-200 Temperature Calibrator a perfect tool not only for the Temperature Calibration in a lab but also for various broader mobile validation needs. In conclusion, the LTR-200 Temperature Calibrator is a robust and versatile multi-purpose device that caters to all your Temperature Calibration needs.

Kaye LTR-200 - Hybrid Temperature Calibrator

FLEXIBLE - EASY TO USE FROM -50°C TO 200°C; 24 SENSOR CAPACITY

DESCRIPTION | FEATURES | APPLICATIONS | SPECIFICATIONS | DOWNLOADS

- Operating range of -50°C to 200°C, with temperature stability of up to 0.01°C and uniformity of up to 0.1°C
- Superb heating and cooling times
- Calibration of up to 24 sensors using the dry block insert, saving hours of time
- Dry block inserts are designed to accommodate thermocouples, IRTD, as well as ValProbe (RT) flexible / bendable probes
- Special TC fixture for easy handling of up to 24 thermocouples
- Software interface compatible with all existing Kaye products, including IRTD, Validator 2000, Validator AVS and ValProbe (RT), enabling automatic / manual calibrations
- User-friendly touchscreen interface
- Universal power supply 100 – 240 VAC / 50 – 60 Hz
- Additional inserts available for calibrating specialty or process probes

Link to LTR-200 Product Subpage. Available in English, French, German Portuguese, Italian, Spanish, Turkish and Chinese.

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Teaser Video

LTR-200 Teaser Video hidden on YouTube and on LinkedIn

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Data Sheet

KAYE
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LTR-200

DRY BLOCK HYBRID
TEMPERATURE CALIBRATOR
FLEXIBLE – EASY TO USE
(-50°C TO 200°C)

The Kaye LTR-200 is the newest addition to our extensive range of advanced calibration dry blocks specifically designed to meet the capacity and flexibility requirements for thermal validation. This device possesses the ability to calibrate up to 24 sensors simultaneously, saving hours of time and effort during the calibration or verification of validation sensors. Due to its extensive range, this hybrid calibrator is ideal for calibrating temperature sensors utilized in cold rooms, incubators, autoclaves, freezers, and cryo units. The newly introduced Dry Block Temperature Calibrator is compatible with the Validator 2000, Validator AVS, ValProbe (RT) or RF ValProbe software for automatic sensor calibration. It can also function independently through its user-friendly touchscreen display.

FEATURES & BENEFITS

- Operating range of -50°C to 200°C, with temperature stability of up to 0.01°C and uniformity of up to 0.1°C
- Superb heating and cooling times
- Calibration of up to 24 sensors using the dry block insert, saving hours of time
- Dry block inserts are designed to accommodate thermocouples, IRTD, as well as ValProbe (RT) flexible/ bendable probes
- Special TC fixture for easy handling of up to 24 thermocouples
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- User friendly touchscreen interface
- Universal power supply 100 – 240 VAC / 50 – 60 Hz
- Additional inserts available for calibrating specialty or process probes

Flexibility and Efficiency with the LTR-200

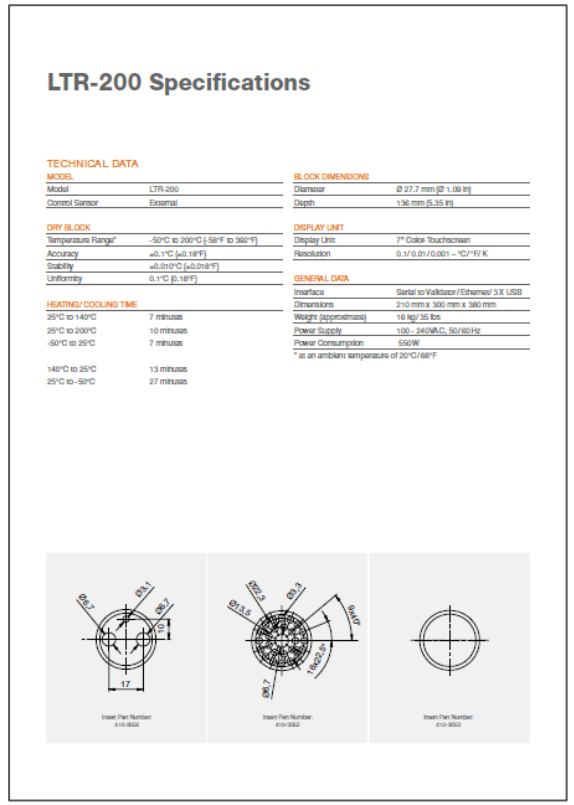
The standard insert – included with every LTR-200 – allows the calibration of up to 24 thermocouples (TCs) and the immersion of one IRTD.

The LTR-200 comes equipped with a specially designed sensor holder. This feature not only guarantees easy installation but also ensures that the sensors remain in position for maximum accuracy during calibration or verification. The calibrator boasts remarkable flexibility, allowing the dry block insert to be replaced within seconds.

A variety of inserts are available to provide the maximum flexibility needed to accommodate different sensors of varying diameters and shapes.

FAST STABILIZATION
The specially designed controller enables a swift stabilization time with minimal temperature overshooting. This ensures a rapid response to setpoint changes and extremely stable setpoints to within a few thousandths of a degree.

FAST HEATING
The unique heating concept specifically designed for the LTR-200 provides a remarkably rapid heating rate, surpassing the efficiency of other models. This feature ensures high throughput and efficient calibrations, thereby saving hours of labor and reducing costs.


LTR-200 Specifications

TECHNICAL DATA

MODEL	
Model	LTR-200
Control Sensor	External

DRY BLOCK	
Temperature Range*	-50°C to 200°C (-58°F to 392°F)
Accuracy	±0.1°C (±0.18°F)
Stability	±0.01°C (±0.018°F)
Uniformity	0.1°C (0.18°F)

HEATING/ COOLING TIME	
25°C to 140°C	7 minutes
25°C to 200°C	10 minutes
-50°C to 25°C	7 minutes
140°C to 25°C	13 minutes
25°C to -50°C	27 minutes

BLOCK DIMENSIONS	
Diameter	Ø 27.7 mm (Ø 1.09 in)
Depth	136 mm (5.35 in)

DISPLAY UNIT	
Display Unit	7" Color Touchscreen
Resolution	0.1 / 0.01 / 0.001 – °C/°F/ K

GENERAL DATA	
Interface	Serial to Validator/ Ethernet/ 3 X USB
Dimensions	210 mm x 300 mm x 380 mm
Weight (approximate)	16 kg/ 35 lbs
Power Supply	100 - 240VAC, 50/60 Hz
Power Consumption	550W

* at an ambient temperature of 20°C/68°F

PART NUMBER
DESCRIPTION
LTR-200 Temperature Calibrator includes:
- 24 sensor Dry Block Insert
- Special thermocouple fixture
- Insert exchange tool
- USB/serial adapter cable
- External control reference probe
- US and EU power cables (100-240VAC 50/60 Hz)
- User manual
- Calibration certificate

ACCESSORIES

412-3114
Thermocouple Fixture

441-1053
LTR-200 Shipping Case

Kaye Representative contact:
www.kayeinstruments.com/en/contact

Request a demo:
www.kayeinstruments.com/en/demo

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eMailing

KAYE ALERT

NEWS &
PRODUCT UPDATES

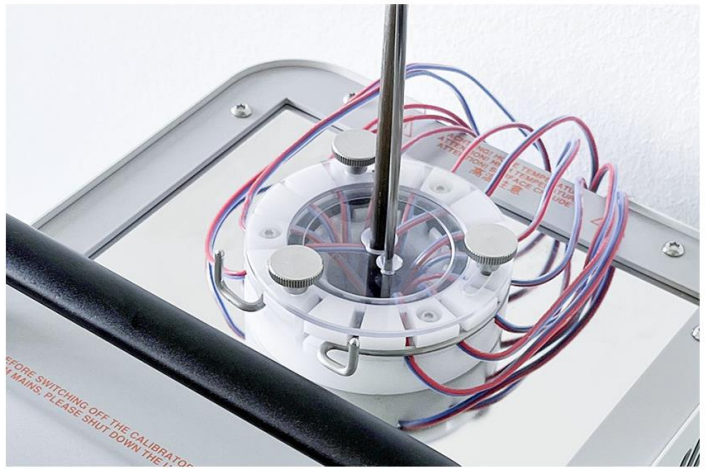
We're pleased to announce the launch of the Kaye LTR-200, our latest state-of-the-art calibration dry block. This addition extends our range of advanced solutions tailored to meet the demands of thermal validation.

The key feature of the LTR-200 is its capability to calibrate up to 24 sensors simultaneously, streamlining validation sensor calibration or verification processes, saving both time and effort.

Thanks to its extensive range of -50°C to 200°C and a stability exceeding 0.01°C, the LTR-200 serves as an ideal hybrid calibrator for temperature sensors employed in various environments, from cold rooms, freezers and cryo units to incubators and autoclaves.

Our new Dry Block Temperature Calibrator is compatible with the Validator AVS, Validator 2000 or ValProbe (RT) software, enabling automatic sensor calibration. But that's not all - it can also operate independently through its user-friendly touch screen display.

LTR-200 Product Page



Thermocouple Insert

7 inch LED Touch Screen

Features and Benefits:

- Operating range of -50°C to 200°C, with temperature stability of up to 0.01°C and uniformity of up to 0.1°C
- Superb heating and cooling times
- Calibration of up to 24 sensors using the dry block insert, saving hours of time
- Dry block inserts are designed to accommodate thermocouples, IRTD, as well as ValProbe (RT) flexible / bendable probes

Read LTR-200 Data Sheet

Request a Demo

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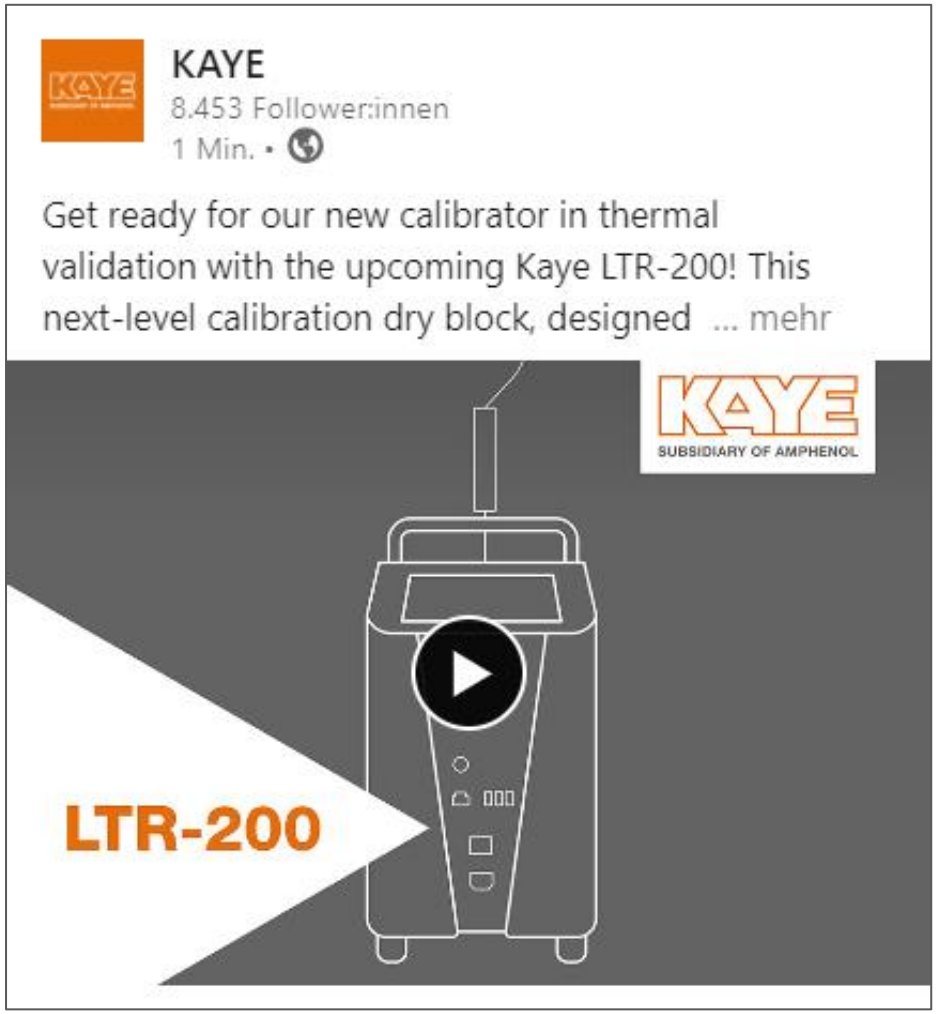
LinkedIn - Teaser



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