

TECHNICAL DATA

# Fluke Calibration 9009 Dual-Well Dry-Well



## Key features

- Temperature ranges from  $-15\text{ }^{\circ}\text{C}$  to  $350\text{ }^{\circ}\text{C}$ .
- Two wells in each block for simultaneous comparison calibrations.
- The cold block is calibrated to within  $\pm 0.2^{\circ}\text{C}$  with stability of  $\pm 0.05^{\circ}\text{C}$ . The hot block's display is accurate to  $\pm 0.6^{\circ}\text{C}$  with stability of  $\pm 0.05^{\circ}\text{C}$ .
- Rugged, lightweight, and water-resistant enclosure.

## Product overview: Fluke Calibration 9009 Dual-Well Dry-Well

**Two blocks. One portable calibrator. Full temperature coverage.**

### Dual Independent Temperature Blocks

The Fluke Calibration 9009 combines two independently controlled temperature blocks into one compact, rugged system:

- **Hot block range:**  $50\text{ }^{\circ}\text{C}$  to  $350\text{ }^{\circ}\text{C}$
- **Cold block range:**  $-15\text{ }^{\circ}\text{C}$  to  $110\text{ }^{\circ}\text{C}$
- Each block is powered by a **precision Hart Scientific temperature controller**—not off-the-shelf components, but industry-leading technology from the world's top temperature calibration experts.

## Flexible Multi-Probe Calibration

Each block includes **two wells with removable inserts**, giving you unmatched flexibility:

- Calibrate **up to four probes simultaneously**
- Use two probes with an **external reference thermometer** (e.g., Hart 1521 LLK)
- Perform quick **zero/span checks** for transmitter calibration with both blocks in use

## Portable and Field-Ready

The 9009 is built for portability and field durability:

- **Housed in a rugged Pelican™ case**—airtight, watertight, and impact-resistant
- **Weighs only 10 lbs (4.5 kg)**, compact and easy to carry
- **Internal storage** holds the power cord and four extra inserts
- Inserts available for sensor sizes from **1/16" (1.6 mm) to 7/16" (11.1 mm)**

This system is truly ready to go wherever your work takes you.

## Reliable Accuracy and Stability

Performance you expect from a Fluke/Hart Scientific source:

### Block Display Accuracy Stability

**Cold** ±0.2 °C ±0.05 °C

**Hot** ±0.6 °C ±0.05 °C

**NIST-traceable calibration certificate** included for both blocks.

## PC Connectivity and Automation

- **RS-232 interface** included for temperature monitoring and control via PC
- Fully compatible with **MET/TEMP II software** for automated calibration of RTDs, thermocouples, and thermistors

## The Complete Field Calibration Package

With the Fluke 9009 Dual-Well Dry-Well, you get:

- Two independent blocks
- Full temperature coverage from -15 °C to 350 °C
- True field portability in a compact, durable case
- Flexibility for multiple sensors and calibration modes
- Built-in automation and PC integration

## Specifications: Fluke Calibration 9009 Dual-Well Dry-Well

| General Specifications |                                |                                                                                |
|------------------------|--------------------------------|--------------------------------------------------------------------------------|
|                        | Hot block                      | Cold block                                                                     |
| Range                  | 50°C to 350°C (122°F to 662°F) | -15°C to 110°C (5°F to 230°F)<br>(-8°C [18°F] with hot block at 350°C [662°F]) |

|                            |                                                                                                                     |                                                       |
|----------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| Accuracy                   | ±0.6°C                                                                                                              | ±0.2°C                                                |
| Stability                  | ±0.05°C                                                                                                             |                                                       |
| Well-to-well uniformity    | ±0.1°C                                                                                                              |                                                       |
| Display resolution         | 0.1°                                                                                                                |                                                       |
| Heating times              | 30 minutes from 25°C to 350°C                                                                                       | 15 minutes from 25°C to 110°C                         |
| Cooling times              | 40 minutes from 350°C to 100°C                                                                                      | 16 minutes from 25°C to -15°C                         |
| Stabilization times        | 8 minutes                                                                                                           |                                                       |
| Well depth                 | 4 in (102 mm)                                                                                                       |                                                       |
| Removable inserts          | Two 6.4 mm (1/4 in) and two 4.8 mm (3/16 in) inserts included; see ordering information for other available inserts |                                                       |
| Computer interface         | RS-232 included                                                                                                     |                                                       |
| Power                      | 115 V AC (±10 %), 3 A, or<br>230 V AC (±10 %), 2 A, specify, 50/60 Hz, 280 W                                        |                                                       |
| Size (H x W x D)           | 178 x 267 x 248 mm (7 x 10.5 x 9.75 in)                                                                             |                                                       |
| Weight                     | 4.5 kg (10 lb)                                                                                                      |                                                       |
| NIST-traceable calibration | Data at 50°C, 100°C, 150°C, 200°C, 250°C, 300°C, and 350°C                                                          | Data at -8°C, 0°C, 25°C, 50°C, 75°C, 100°C, and 110°C |

## Ordering information



### **Fluke 9009-B-156**

Fluke Calibration 9009 Dual-Well Dry-Well, Dual Block (Black), 110V 50/60HZ

Part#: 1657764

UPC#: 095969128421

Includes two 1/4 in (6.4 mm) and two 3/16 in (4.8 mm) inserts.

### **Fluke 9009-Y-156**

Fluke Calibration 9009 Dual-Well Dry-Well, Dual Block (Yellow), 110V 50/60HZ

Part#: 1657786

UPC#: 095969128445

Includes two 1/4 in (6.4 mm) and two 3/16 in (4.8 mm) inserts.

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**Fluke Corporation**  
PO Box 9090, Everett, WA 98206 U.S.A.

**For more information call:**  
In the U.S.A. (800) 443-5853  
In Canada (800) 36-FLUKE  
From other countries +1 (425) 446-5500  
[www.fluke.com](http://www.fluke.com)

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