

### TECHNICAL DATA



### Specifications

|                           |                                                                                                                                                                                                                                                                                           |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Temperature Range:        | 91 to 572°F (33 to 300°C)                                                                                                                                                                                                                                                                 |
| Accuracy:                 | $\leq 212^{\circ}\text{F}$ ( $\leq 100^{\circ}\text{C}$ ):<br>$\pm 1.6^{\circ}\text{F}$ ( $0.8^{\circ}\text{C}$ )<br>212 to 392°F (100 to 200°C): $\pm 3.2^{\circ}\text{F}$ ( $1.6^{\circ}\text{C}$ )<br>392 to 572°F (200 to 300°C): $\pm 5.6^{\circ}\text{F}$ ( $2.8^{\circ}\text{C}$ ) |
| Stability:                | $\leq 212^{\circ}\text{F}$ ( $\leq 100^{\circ}\text{C}$ ):<br>$\pm 0.2^{\circ}\text{F}$ ( $0.1^{\circ}\text{C}$ )<br>212 to 392°F (100 to 200°C): $\pm 0.4^{\circ}\text{F}$ ( $0.2^{\circ}\text{C}$ )<br>392 to 572°F (200 to 300°C): $\pm 0.8^{\circ}\text{F}$ ( $0.4^{\circ}\text{C}$ ) |
| Resolution:               | 0.1°F (0.1°C)                                                                                                                                                                                                                                                                             |
| Heating Time:             | Approx. 30 mins from 91 to 572°F (33 to 300°C)                                                                                                                                                                                                                                            |
| Cooling Time:             | Approx. 30 mins from 572 to 122°F (300 to 100°C)                                                                                                                                                                                                                                          |
| Well Depth:               | 3.54" (90mm)                                                                                                                                                                                                                                                                              |
| Aperture Diameter:        | Ø3.5mm (2), Ø4.2mm, Ø5mm, Ø6.8mm                                                                                                                                                                                                                                                          |
| Display:                  | Dual LED                                                                                                                                                                                                                                                                                  |
| Power Supply:             | 110VAC, 2.5A                                                                                                                                                                                                                                                                              |
| Product Certifications:   | CE                                                                                                                                                                                                                                                                                        |
| Operating Temperature:    | 41 to 95°F (5 to 35°C)                                                                                                                                                                                                                                                                    |
| Storage Temperature:      | -4 to 140°F (-20 to 60°C)                                                                                                                                                                                                                                                                 |
| Operating Humidity Range: | 15 to 80%                                                                                                                                                                                                                                                                                 |
| Dimensions:               | 7.1 x 4.5 x 8.8" (180 x 114 x 233mm)                                                                                                                                                                                                                                                      |
| Weight:                   | 6.6lbs (3kg)                                                                                                                                                                                                                                                                              |

This Dry Block Calibrator delivers precise temperature calibration within a broad range of 91°F to 572°F (33°C to 300°C). The R2900 has been designed with multiple aperture options in order to meet both industrial and laboratory requirements. Ideal for calibrating RTDs, thermocouples, and small bimetal thermometers, this dry well offers a versatile and efficient solution for maintaining accuracy in temperature measurement devices.

### Features

- Designed to calibrate RTDs, thermocouples, and small bimetal thermometers
- Dual LED display allow simultaneous monitoring of set and actual temperatures
- Accommodates multiple probe sizes with Ø3.5mm (x2), Ø4.2mm, Ø5mm, and Ø6.8mm apertures
- User selectable °F or °C

| Model      | Description                 |
|------------|-----------------------------|
| R2900      | Dry Block Calibrator        |
| R8890      | Large Hard Carrying Case    |
| R2900-NIST | Dry Block Calibrator & NIST |