



Industrial Dual-Block Calibrator 4LHA6



Single-Block with Adjustable Set Points 33W927



Single-Block with Fixed Set Points 3MNG6

Compact Field Drywell Calibrators

Small and lightweight calibrators are used to test and ensure that RTDs, thermocouples, and bimetal thermometers are accurately calibrated in the field. Can be used for adjustable or fixed setpoints.

INDUSTRIAL DUAL-BLOCK DRYWELL CALIBRATORS WITH ADJUSTABLE SETPOINTS

Calibrators have adjustable setpoints and an LED front panel for easy programming. The dual-block features two blocks for a range of temperatures. They have four removable inserts that interface with an external documenting process calibrator. Include a protective case for storage.

SINGLE-BLOCK DRYWELL CALIBRATORS WITH ADJUSTABLE SETPOINTS

Adjustable setpoints allow users to program multiple setpoints. Select models may be compatible with optional interchangeable inserts for different numbers and diameters of probes.

SINGLE-BLOCK DRYWELL CALIBRATORS WITH FIXED SETPOINTS

Calibrators with fixed setpoints are accurate and easy to operate. Can be paired with external dial and digital thermometers. Commonly used to calibrate temperature-sensing instruments used in food processing and preparation applications.

| Brand and Series | Hot Block Temp. Range | Cold Block Temp. Range | Stability | For Stem Diameter | Stabilization Time | Well Depth | BLACK CASE Item No. | YELLOW CASE Item No. |
|---|------------------------------|-----------------------------|-----------|---|--------------------|------------|---------------------|----------------------|
| Industrial Dual-Block Drywell Calibrators with Adjustable Setpoints | | | | | | | | |
| Calibration Details: Data at -8°C, 0°C, 25°C, 50°C, 100°C, 100°C, 110°C, Data at 50°C, 100°C, 150°C, 200°C, 250°C, 300°C, and 350°C | | | | | | | | |
| Fluke 9009 | 122° to 662°F (50° to 350°C) | 5° to 230°F (-15° to 115°C) | ±0.05°C | 0.0625 in, 0.125 in, 0.15625 in, 0.1875 in, 0.25 in, 0.3125 in, 0.375 in, 0.4375 in | 8 min | 4 in | 4LHA6 | 4LHA5 |

| Brand and Series | Temperature Range | Stabilization Time | For Stem Diameter | Item No. |
|---|-----------------------------|--------------------|--|----------|
| Single-Block Drywell Calibrators with Adjustable Setpoints | | | | |
| Calibration Details: Data at -25°C, 0°C, 25°C, 50°C, 75°C, 100°C, and 140°C | | | | |
| Fluke 9103 | -13° to 284°F/-25° to 140°C | 7 min | (6) 1/4 in | 33W929 |
| | | | (2) 1/2 in, (2) 3/8 in, (2) 3/16 in | 33W928 |
| | | | 1/16 in, 1/8 in, 3/16 in, 1/4 in, 3/8 in, 1/2 in | 33W927 |
| | | | (2) 3 mm, (2) 4 mm, (2) 6 mm | 33W939 |
| Calibration Details: Data at 50°C, 100°C, 150°C, 200°C, 250°C, 300°C, and 350°C | | | | |
| Fluke 9140 | 95° to 662°F/35° to 350°C | 7 min | (6) 1/4 in | 33W932 |
| | | | (2) 1/2 in, (2) 3/8 in, (2) 3/16 in | 33W931 |
| | | | 1/16 in, 1/8 in, 3/16 in, 1/4 in, 3/8 in, 1/2 in | 33W930 |
| | | | (2) 3 mm, (2) 4 mm, (2) 6 mm | 33W940 |

| Brand and Series | Temperature Set Points | Calibrator Application | For Stem Diameter | Item No. |
|--|---------------------------------------|---|------------------------------|----------|
| Single-Block Drywell Calibrators with Fixed Setpoints | | | | |
| Tel-Tru Check-Set | 40 °F | Cold Food Holding Temperature (for 40°F) | 0.125 in, 0.150 in, 0.187 in | 52RW36 |
| | 40 °F, 160 °F | E.Coli Safety Temperature (for 160°F), Cold Food Holding Temperature (for 40°F) | 0.187 in, 0.250 in, 0.375 in | 52RW37 |
| | | | 0.125 in, 0.150 in, 0.187 in | 52RW34 |
| | 40 °F, 150 °F, 161 °F, 175 °F | Clean-in-Place Return Lines (for 150°F), HTST Flash Pasteurization - Ice Cream, Eggnog, Frozen Desserts (for 175°F), HTST Flash Pasteurization - Milk (for 161°F), Cold Food Holding Temperature (for 40°F) | 0.187 in, 0.250 in, 0.375 in | 52RW38 |
| 0.125 in, 0.150 in, 0.187 in | | | 52RW39 | |
| 0.15 in | | | 3MNG6 | |
| 160 °F | E.Coli Safety Temperature (for 160°F) | | | |

Handheld Temperature Probe Calibrators

Battery-operated instruments measure and source 17 thermocouple types and millivolts. When used to source temperature signals, these calibrators also measure 4 to 20 mA signals. They are highly accurate and feature configurable source settings for prompt linearity checks.



6KD41



39M989

| Temperature Range | For Thermocouple Type | For RTD Type | Millivolt Range | Resistance Range | Temperature Accuracy | STANDARD Item No. | NIST Item No. |
|---|--------------------------------------|---|------------------|------------------|----------------------|-------------------|---------------|
| Handheld RTD & Thermocouple Probe Source/Measure Calibrators | | | | | | | |
| -328° to 3182°F/-200° to 1800°C (Thermocouple), 14° to 1168°F/-10° to 630°C (RTD) | B, E, J, K, N, R, S, T | Cu10, Cu50, Pt10 (385), Pt100 (385), Pt1000 (385), Pt200 (385), Pt500 (385) | -10 to 1100mV DC | 0 to 4,000 ohm | 0.05% | 161D35 | — |
| -328° to 1,472°F/-200° to 800°C (RTD), -328° to 2,498°F/-200° to 1,370°C (Thermocouple) | B, BP, E, J, K, L, N, R, S, T, U, XK | Ni 120, Pt 100 (385), Pt 100 (393), Pt 100 (JIS), Pt 1000 (385), Pt 200 (385), Pt 500 (385) | 0 to 100mV DC | 0 to 3,200 ohm | — | # | 6KD41 |
| Handheld RTD Probe Source/Measure Calibrators | | | | | | | |
| -200° to 800°C | — | Cu 10 (427), Cu 100 (427), Cu 50 (427), Ni 120 (672), Pt 10 (385), Pt 100 (385), Pt 100 (3916), Pt 100 (3926), Pt 1000 (385), Pt 200 (385), Pt 50 (385), YSI400 | — | 1 to 4,000 ohm | — | — | 30PJ28 |
| Handheld Thermocouple Probe Source/Measure Calibrators | | | | | | | |
| -328° to 1,472°F/-200° to 800°C | B, E, J, K, T, L, R, S, U | Ni 120, Pt 100 (385), Pt 100 (392) (3926), Pt 100 JIS (3916), Pt 1000 (385), Pt 200 (385), Pt 500 (385) | -10 to 75mV | 0 to 3,200 ohm | — | — | 30PJ29 |
| -58° to 2,498°F/-50° to 1,750°C | C, E, J, K, N, R, S, T | — | -10 to 60mV DC | — | ±0.05% +2°F/1°C | 39M988 | 39M989 |
| | | | -5 to 55mV | — | ±0.05% +2°F/1°C | 39M990 | 39M991 |
| -328° to 2,498°F/-200° to 1,370°C | B, E, J, K, N, R, S, T | — | -10 to 110mV DC | — | 0.05% | 52ZK70 | — |



5NLL3

Intrinsically Safe Compact Reference Temperature Calibrators

- 3-point NIST-traceable, 3-point NVLAP-accredited
- Minimum immersion of 70mm for wet media or 120mm for dry media
- Resolution: 0.1°/0.01°/0.001° (Variable)
- Sampling rate: 0.5 sec/1 sec/2 sec (Variable)

Calibrators are compact, lightweight, and portable and operate at a wide range of temperatures. Large color display for easy programming. The preset

temperature points and icons allow users to monitor the calibrator and calibration process. Units have a carrying handle and are commonly used on-site in maintenance shops and in laboratories.

| Temperature Range | Response Time | Sensor Type | Item No. |
|------------------------------|---------------|-------------|----------|
| -58° to 320°F/-50° to 160°C | 14 sec | RTD | 5NLL3 |
| | 21 sec | RTD | 5NLL4 |
| -112° to 572°F/-80° to 300°C | 20 sec | PRT | 5NLL5 |