

Dry Block Portable Temperature Calibrator

Case is cool to the touch— even at maximum temperatures

- Maximum temperature of 806°F (430°C)
- Fast heat-up and cool-down
- Independent over-temperature cutout
- Temperature sensor burnout protection
- Built rugged to handle portable field use
- Lightweight, only 9 lb



What's included: One multi-well insert (1/8", 3/16", 1/4", 5/16" & 3/8" well sizes), manual, insert extractor, mains cable, and NIST-traceable calibration report supplied by the manufacturer.



| Model | 3028900 | 3028950 |
|-------------------------------|---------------------------------------|-----------------------------|
| Catalog number | GY-16101-97 | GY-16101-98 |
| Minimum temperature | 9°F / 5°C above ambient | |
| Maximum temperature | 806°F / 430°C | |
| Cooling rate 400 to 100°C | 21 min | |
| Heating rate, 20 to 400°C | 12 min | |
| Independent over-temp. cutout | Approx. 842°F / 450°C | |
| Fan cooling | Automatic | |
| Display resolution | 0.1°F / 0.1°C | |
| Insert immersion depth | 4 1/2" | |
| Stability after 15 minutes | ±0.03°C @ 200°C; ±0.05°C @ 400°C | |
| Display accuracy | ±0.3°C @ 200°C; ±0.5°C @ 400°C | |
| Well-to-well uniformity | 0.015°C @ 200°C; 0.025°C @ 400°C | |
| Dimensions (H x W x D) | 8 3/4" x 8" x 8" (222 x 203 x 203 mm) | |
| Power | 120 VAC, 50/60 Hz, 900 W | 240 VAC, 50/60 Hz, 900 W |
| Price | | |

Optional Inserts

| Model | Description | Catalog number | Price |
|---------|---|-----------------------------|-------|
| 7032533 | Insert 5 x 1/4" | GY-08510-70 | |
| 7032534 | Insert 3/8" + 5/16" + 1/4" + 3/16" + 1/8" | GY-16104-25 | |
| 7032535 | Insert 2 x 3/8" + 2 x 1/4" | GY-16104-26 | |
| 7032536 | Insert 2 x 1/2" + 2 x 1/4" | GY-16104-27 | |
| 7032537 | Insert 1 x 1/4" | GY-16104-28 | |
| 7032538 | Insert blank | GY-16104-29 | |
| 7032574 | Insert 1 x 9/16" & 1 x 1/4" | GY-16104-39 | |
| 7032575 | Insert 1 x 5/8" & 1 x 1/4" | GY-16104-40 | |
| 7032576 | Insert 1 x 11/16" & 1 x 1/4" | GY-16104-41 | |
| 7032577 | Insert 1 x 3/4" & 1 x 1/4" | GY-16104-42 | |

Accessories

- [GY-16104-43](#) Soft-side carrying case
- [GY-17002-16](#) NIST-traceable recalibration with data

Thermocouple Calibrator

Get a good grip with palm-sized housing

- Ergonomic palm-sized double-molded housing
- Large, dot-matrix digital backlit LCD
- Displays output in mV or temperature based on thermocouple tables
- Standard banana I/O ports
- Large battery bank for extended work cycle or external power adapter for continuous use
- Up to five user-adjustable calibration presets



What's included: Thermocouple calibration cable with subminiature connectors, standard calibration cable with subminiature connectors, hard carrying case, universal adapter with four plugs, and six AA batteries.



| Model | PRC20 | | | | |
|------------------------|---|-------------------------------|--------------------------|---------|--------------------|
| Catalog number | GY-16101-15 | | | | |
| Thermocouple | Range (source and measure) | Resolution | Accuracy | | |
| Type J | –58 to 1832°F (–50 to 1000°C) | 0.1° (measure) or 1° (source) | ±(0.05% rdg ± 0.8°F/1°C) | | |
| Type K | –58 to 2498°F (–50 to 1370°C) | | | | |
| Type T | –184 to 752°F (–120 to 400°C) | | | | |
| Type E | –58 to 1382°F (–50 to 750°C) | | | | |
| Type R | 32 to 3182°F (0 to 1750°C) | | | | |
| Type S | 32 to 3182°F (0 to 1750°C) | | | | |
| Type N | –58 to 2372°F (–50 to 1300°C) | | | | |
| Type C | 32 to 3182°F (0 to 1750°C) | | | | |
| Voltage | Measure: –10.00 to 60.00 mV | | | 0.01 mV | ±(0.01% + 1 digit) |
| | Source: –5 mV to 55 mV | | | | |
| Input impedance | 10 MΩ | | | | |
| Sampling time | 4 times/second | | | | |
| Display | Dot matrix LCD, backlight | | | | |
| Operating conditions | 41 to 104°F (5 to 40°C), max 80% RH | | | | |
| Dimensions (L x W x H) | 6 3/8" x 3 1/8" x 1 1/8" (159 x 80 x 44 mm) | | | | |
| Power | Six AA batteries or 110 to 240 VAC adapter | | | | |
| Price | | | | | |

Accessories

- [GY-09376-01](#) Replacement batteries, AA, Pack of 4
- [GY-17101-07](#) NIST-traceable calibration with data

1 Matters

Calibrate
to ensure accuracy

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