

TECHNICAL DATA

7060/7080 Really Cold Temperature Calibration Baths



Key features

- Ability to chill to extremely low temperatures (-40 , -60 , or -80 °C) without external coolants.
- Self-contained refrigeration, eliminating the need for LN2 or a chiller.
- Large working areas for increased throughput.
- Provides excellent temperature control, maintaining stability (± 0.0015 °C) and uniformity (± 0.003 °C) even at extremely cold temperatures.

Product overview: 7060/7080 Really Cold Temperature Calibration Baths

These baths are completely self-contained. They require no auxiliary cooling fluids or devices to achieve their set-point temperatures. Using Fluke Calibration's unique "heat-port" design, stability at -80 °C is ± 0.0025 °C. No other company makes a bath that can match a Fluke Calibration bath's performance, and Fluke Calibration baths are backed by our guarantee that if they don't perform exactly the way we say they will, we'll take them back. No arguments. No ifs, ands, or buts.

If you want to completely automate the entire calibration process, see the description of Fluke Calibration's MET/TEMP II software package.

Forget commodity-like utility baths! They're not designed for high performance calibration needs. And be careful of companies that advertise performance specifications they don't meet. It's easy to write down numbers; it's more difficult to meet them with an instrument.

Remember, if our baths don't perform the way we say they will, just send them back. Our equipment won't disappoint you.

Specifications: 7060/7080 Really Cold Temperature Calibration Baths

| Specifications | 7060 | 7080 |
|------------------------------------|--|---|
| Range | -60 °C to 110 °C | -80 °C to 110 °C |
| Stability | ±0.0025 °C at -60 °C (methanol) ±0.002 °C at 0 °C (methanol) ±0.0015 °C at 25 °C (water) ±0.003 °C at 100 °C (oil 5012) | ±0.0025 °C at -80 °C (methanol) ±0.0015 °C at 0 °C (methanol) ±0.0015 °C at 25 °C (water) ±0.003 °C at 100 °C (oil 5012) |
| Uniformity | ±0.005 °C at -60 °C (methanol) ±0.005 °C at 0 °C (methanol) ±0.003 °C at 25 °C (water) ±0.005 °C at 100 °C (oil 5012) | ±0.007 °C at -80 °C (methanol) ±0.005 °C at 0 °C (methanol) ±0.003 °C at 25 °C (water) ±0.005 °C at 100 °C (oil 5012) |
| Temperature Seing | Digital display with push-buon data ey | |
| Set-Point Resolution | 0.01 °C; high-resolution mode, 0.00007 °C | |
| Display Resolution | 0.01 °C | |
| Digital Seing Accuracy | ±1 °C | |
| Digital Seing Repeatability | ±0.01 °C | |
| Heaters | 500 and 1000 Was | |
| Access Opening | 127 x 254 mm (5 x 10 in) | |
| Depth | 305 mm (12 in) | |
| Weed Parts | 304 stainless steel | |
| Power | 230 VAC (±10 %), 50 or 60 Hz, 13 A, single phase, specify frequency | |
| Volume | 27 liters (7.2 gallons) | |
| Weight | 159 kg (350 lb.) | |
| Size (HxWxD) | 1168 x 775 x 483 mm (46 x 30.5 x 19 in) | |
| Automation | Use the 1586A Super-DAQ to automate temperature sensor calibration | |

Ordering information

**7060**

Standard Bath, -60 °C to 110 °C

7080

Standard Bath, -80 °C to 110 °C

2001-IEEE

IEEE-488 Interface, 6330/7320/7340

2016-7080

Fluid Level Adapter, 7080

2016-7060

Fluid Level Adapter, 7060

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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

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