

Technische daten

6332A / 7342A Temperature Calibration Baths





Produktübersicht: 6332A / 7342A Temperature Calibration Baths

Performance, automated controls, and accessories make a high value combination

Stability and uniformity for accurate calibrations over a wide temperature range

The Fluke 6332A and 7342A feature good stability and uniformity for accurate and dependable temperature sensor calibration.

Whether you are calibrating at low or high temperatures, one of these baths has a range to cover a wide workload of temperature sensors. The model 6332A has a temperature range of 50 °C to 300 °C. The model 7342A has a temperature range of -40 °C to 150 °C.

Fast to temperature and stabilization

These baths feature a heating rate up to 1.8 °C/ minute and cooling rate up to 1.1 °C/minute, depending on model and fluids used. They stabilize in 20 minutes. You'll spend less time waiting and more time calibrating.

Versatile design and technology features improve lab efficiency and productivity

With a large tank diameter of 145 mm (5.7 inches) and a depth of 450 mm (17.7 inches), the 6332A and 7342A can accommodate a wide variety of sensor sizes. An optional probe holding fixture holds probes at the correct height and an optional shelf lets you place a temperature readout nearby.

The adjustable fluid level feature lets you raise or lower the fluid level to calibrate line-of-sight liquid-in-glass (LIG) thermometers or shorter sensors.

These baths accommodate a variety of fluids, including silicone oils, ethylene glycol, Dynalene, HFE fluid or Halocarbon 0.8 oil. When choosing a fluid, consider its characteristics, including temperature range, viscosity, thermal expansion, and fluid lifetime. Your Fluke Calibration representative will be happy to discuss your application and help you choose the right fluid.

The front panel display is easy to use, thanks to an intuitive series of menu selections and your choice of eight languages: English, Chinese, Korean, Spanish, Portuguese, French, German, and Russian. Enter commands and navigate the menus via a keypad next to the display. A stability indicator on the display shows when the bath has stabilized and is ready for temperature measurement.

Want your bath to be ready when you get to work in the morning? Auto Start lets you program the 6332A and 7342A to start automatically at a specific date and time. You can also program setpoint temperature and ramp rates – up to ten programs.

Automate for improved throughput and convenience

Automate the 6332A and 7342A baths by combining with the 1586A Super-DAQ Precision Temperature Scanner. Improve lab efficiency and free time for other important tasks. Be confident results are consistent no matter who does the job.

Backed by Fluke Calibration

Fluke Calibration provides comprehensive and clear specifications for the 6332A and 7342A baths that give the assurance these baths will perform as specified over the full temperature range, with a variety of fluids, and throughout the entire working volume. Competing baths provide partial or confusing specifications making it difficult to know how they will perform in a particular application. Calibrate with confidence using Fluke Calibration baths with comprehensive specifications.

Need assistance? Fluke Calibration offers worldclass support both before and after the sale, via online chat, email, telephone and through our service organizations. Gold and Silver CarePlans are also available for priority and extended service. Rest easy knowing the value of your investment will be preserved now and into the future.

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For full product specifications, please refer to the [6332A/7342A Specifications document](#)

General Specifications		
Size	Height: 1080 mm (42.5 in) Width: 445 mm (17.5 in) Depth: 495 mm (19.5 in)	
Weight	6332A: 26 kg (57.3 lb) 7342A: 50 kg (110.2 lb)	
Fluid Volume	12 liters (3.2 gallons)	
Inner Tank Diameter	145 mm (5.7 in)	
Maximum Fluid Depth	450 mm (17.7 in)	
Temperature Specifications		
	6332A	7342A
Range (at 23 °C ambient temperature)	50 °C to 300 °C	-40 °C to 150 °C
Maximum Display Error	1.0 °C	1.0 °C
Temperature Stability	0.01 °C	0.01 °C
Temperature Uniformity (working area)	0.015 °C, 50 °C to 200 °C 0.02 °C, 201 °C to 300 °C	0.01 °C (full range)

Heating Time	25 °C to 300 °C (silicone oil, 710): 165 min	-40 °C to 25 °C (ethanol): 35 min 25 °C to 150 °C (silicone oil, 200.50): 75 min
Cooling Time	300 °C to 80 °C (silicone oil, 710): 825 min	150 °C to 25 °C (silicone oil, 200.50): 110 min 25 °C to -40 °C (ethanol): 135 min
Stabilization Time	20 minutes	20 minutes
Factory Calibration	Limited range calibration traceable to the SI through a national metrology institute	Limited range calibration traceable to the SI through a national metrology institute

Modelle



6332A

Isothermal Calibration Bath, 50 °C to 300 °C

7342A

Isothermal Calibration bath, -40 °C to 150 °C

Fluke. *Damit Ihre Welt intakt bleibt.*

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Anderungen vorbehalten

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Technischer Beratung:

Beratung zu Produkteigenschaften, Spezifikationen,

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