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Home > Products > Temperature Calibration > Calibration Baths > Standard Calibration Baths > 6020/6022/6024 High Temperature Calibration Oil Baths > Printer-friendly PDF

6020/6022/6024 High Temperature Calibration Oil Baths

Highlights

Stable, uniform heat sources for calibrations up to 300 °C

- Large-capacity tanks for higher productivity
- Calibrations up to 300 °C
- Built-in cooling coils for faster cooling
- Stability to ±0.001 °C

Find a high temperature oil bath (300 °C) with high capacity and deep immersion from Fluke Calibration. Our metrology baths are well known world-wide for excellent temperature control that maintains excellent temperature stability (±0.003 °C) and uniformity (±0.004 °C). Models 6020, 6022, and 6024 can be used with water at lower temperature for even better performance.

Description

Comparison calibrations require a heat source that's stable and uniform, and for moderately high temperatures nothing provides a better heat source than a Fluke Calibration oil bath.

Fluke Calibration oil baths are stable to ±0.001 °C and do not require calibration blocks or use of special calibration techniques to achieve that stability. The specifications of all our baths are "true specifications representing the performance you can expect to achieve in your lab under your operating conditions. Other companies advertise specs that they know you will never see in your lab. When their baths fail to perform, they blame it on you.

Fluke Calibration baths are built using a unique tank design that guarantees the best uniformity possible in a liquid bath. This, coupled with the industry's best-selling digital bath controller, achieves uncompromised performance and ease of use.

Not only does our digital controller have features like its "Super-Tweak high-resolution mode so you can dial in the exact temperatures you want, it also lets you completely automate the calibration process using your PC and our 9938 MET/TEMP II software.

You'll love these baths, and once you've got one you'll never buy anything else. There's a bath to match any temperature range, depth, price, and performance you need.

Specifications

Specifications			
	6020	**6022**	**6024**
Range	40 °C to 300 °C†		
Stability	±0.001 °C at 40 °C (water) ±0.003 °C at 100 °C (oil 5012) ±0.005 °C at 300 °C (oil 5017)		
Uniformity	±0.002 °C at 40 °C (water) ±0.004 °C at 100 °C (oil 5012) ±0.012 °C at 300 °C (oil 5017)		
Temperature Setting	Digital display with push-button data entry		
Set-Point Resolution	0.01 °C; high-resolution mode, 0.00018 °C		
Display Temperature Resolution	0.01 °C		
Digital Setting Accuracy	±1 °C		
Digital Setting Repeatability	±0.02 °C		

Heaters	350 and 1050 watts		
Access Opening (call for custom openings)	127 x 254 mm (5 x 10 in)		184 x 324 mm (7.25 x 12.75 in)
Depth	305 mm (12 in)	464 mm (18.25 in)	337 mm (13.25 in)
Wetted Parts	304 stainless steel		
Power	115 VAC (±10 %), 50/60 Hz, 10 A or 230 VAC (±10 %), 50/60 Hz, 5 A, specify		
Volume	27 liters (7.2 gallons)	42 liters (11.2 gallons)	
Weight	32 kg (70 lb.)	36 kg (80 lb.)	
Size (HxWxD)	648 x 406 x 508 mm (25.5 x 16 x 20 in)	813 x 406 x 508 mm (32 x 16 x 20 in)	699 x 483 x 584 mm (27.5 x 19 x 23 in)
Automation Package	Interface-it software and RS-232 computer interface are included for setting bath temperature via remote computer. For IEEE-488, add the 2001-IEEE.		

[†]External cooling required for operation below 40 °C. Cooling coils are built into the

Models and Accessories

Model Name	Description
6020	Standard Bath, 40 °C to 300 °C <table><tr><td>Accessory</td><td>Description</td></tr><tr><td>2007</td><td>Access Cover, 127 x 254 mm (5 x 10 in), Stainless Steel</td></tr><tr><td>2070</td><td>Bath Cart, 6020, 6022 (312 mm [12.3 in] H)</td></tr></table>
6024	Standard Bath, 40 °C to 300 °C, deep <table><tr><td>Accessory</td><td>Description</td></tr><tr><td>2009</td><td>Access Cover, 184 x 324 mm (7.25 x 12.75 in), Stainless Steel (6024)</td></tr><tr><td>2072-2450</td><td>Bath Cart, 6024 (216 mm [8.5 in] H)</td></tr></table>
6022	Standard Bath, 40 °C to 300 °C, high capacity <table><tr><td>Accessory</td><td>Description</td></tr><tr><td>2007</td><td>Access Cover, 127 x 254 mm (5 x 10 in), Stainless Steel</td></tr><tr><td>2070</td><td>Bath Cart, 6020, 6022 (312 mm [12.3 in] H)</td></tr></table>

Accessories common to all models:

Accessory	Description
2069	8X Magnifier Scope, with mounts
2001-IEEE	IEEE-488 Interface

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