



**NEW!**

## Specifications

Range	20°C to 30°C (68°F to 86°F)
Stability at 25°C	±0.002°C with water ±0.004°C with mineral oil
Uniformity	±0.005°C (water) ±0.008°C (oil)
Ambient Temperature	5°C to 45°C (41°F to 113°F)
Set-Point Resolution	0.002°C; 0.000032°C in high-resolution mode
Display Temp. Resolution	0.01°
Digital Setting Accuracy	±0.5°C
Digital Setting Repeatability	±0.01°C
Cooling Capacity	100 W at ambient
Access Opening	14" x 14" (356 x 356 mm)
Bath Chamber Dimensions (unobstructed space)	14" W x 8" H x 14" D (355 x 203 x 355 mm)
Wetted Parts	Tank: 304 stainless steel Resistor rack: hard-anodized, perforated aluminum
Power	115 VAC (±10%), 50/60 Hz, 3 A or 230 VAC (±10%), 50/60 Hz, 1.6 A, specify, 350 W
Volume	13.2 gallons (51 liters)
Weight	75 lb. (35 kg)
Size	19.25" W x 22" H x 25" D (489 x 413 x 559 mm)
Automation Package	Interface- <i>it</i> software and RS-232 included

## Ordering Information

7108	Peltier-Cooled Resistor Bath
2001-IEEE	Add for IEEE-488
5011	Mineral Oil, 5 Gallons

*See page 29 for standard resistors.*



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**Peltier-Cooled Resistor Bath** **Model 7108**  
 Stability of ±0.002°C, uniformity of ±0.005°C  
 Peltier cooling provides quiet operation and lower heat dissipation

If electrical calibrations are part of your work or you use external resistors in your SPRT calibrations, you know how important it is to provide a stable temperature environment for your resistors. Hart Scientific makes one that delivers superior stability while contributing less noise and heat to your lab than most common resistor baths.

At Hart, we use standard resistors every day, so we understand what's needed in a resistor bath. And our new Model 7108 Peltier-Cooled Resistor Bath includes it all.

Using mineral oil, this bath provides stability better than ±0.004°C with uniformity less than ±0.008°C. That means your calibration uncertainty resulting from temperature issues is somewhere between nonexistent and negligible.

This is also the quietest resistor bath you've ever heard. The 7108 uses thermoelectric (Peltier) modules to pro-

vide heating and cooling over its range from 20°C to 30°C. Without a compressor, noise is dramatically reduced. Power requirements are also lower, so you save money running the bath and add less heat load to your lab.

With a 13.2-gallon (51-liter) tank, the 7108 holds plenty of resistors. A large 14" x 14" (356 x 356 mm) access opening allows you to easily move resistors in and out of the bath. A resistor rack comes with each unit that fits across the bottom of the tank. Made from hard-anodized perforated aluminum, this rack maintains the necessary electrical isolation between your resistors.

Hart baths have been used in primary temperature and electrical labs for years. Why shouldn't they be? They're the most stable baths in the world. Now they're even better. Try one.

Baths