



## Features

- Stability to  $\pm 0.0007$  °C
- Best digital temperature controller available
- "Super Tweak" function provides set-point resolution to 0.00003 °C
- Excellent for maintaining fixed-point cells

Specifications	7008	7040	7037	7012	7011
<b>Range</b>	-5 °C to 110 °C	-40 °C to 110 °C		-10 °C to 110 °C	
<b>Stability</b>	$\pm 0.0007$ °C at 25 °C (water) $\pm 0.001$ °C at 25 °C (mineral oil)	$\pm 0.002$ °C at -40 °C (ethanol) $\pm 0.0015$ °C at 25 °C (water) $\pm 0.003$ °C at 100 °C (oil 5012)		$\pm 0.0008$ °C at 0 °C (ethanol) $\pm 0.0008$ °C at 25 °C (water) $\pm 0.003$ °C at 100 °C (oil 5012)	
<b>Uniformity</b>	$\pm 0.003$ °C at 25 °C (water) $\pm 0.004$ °C at 25 °C (mineral oil)	$\pm 0.004$ °C at -40 °C (ethanol) $\pm 0.002$ °C at 25 °C (water) $\pm 0.004$ °C at 100 °C (oil 5012)		$\pm 0.003$ °C at 0 °C (ethanol) $\pm 0.002$ °C at 25 °C (water) $\pm 0.004$ °C at 100 °C (oil 5012)	
<b>Temperature Setting</b>	Digital display with push-button data entry				
<b>Set-Point Resolution</b>	0.002 °C; high-resolution mode, 0.00003 °C	0.01 °C; high-resolution mode, 0.00007 °C		0.002 °C; high-resolution mode, 0.00003 °C	
<b>Display Resolution</b>	0.01 °C				
<b>Digital Setting Accuracy</b>	$\pm 1$ °C				
<b>Digital Setting Repeatability</b>	$\pm 0.01$ °C			$\pm 0.005$ °C	
<b>Heaters</b>	500 and 1000 Watts				
<b>Access Opening (call for customs)</b>	324 x 184 mm (12.75 x 7.25 in)	127 x 254 mm (5 x 10 in)	162 x 292 mm (6.38 x 11.5 in)	127 x 254 mm (5 x 10 in)	
<b>Depth</b>	331 mm (13 in)	305 mm (12 in)	457 mm (18 in)	305 mm (12 in)	
<b>Wetted Parts</b>	304 stainless steel				
<b>Power</b>	115 VAC ( $\pm 10$ %), 60 Hz, 14 A or 230 VAC, 50 or 60 Hz, 8 A, specify	115 VAC ( $\pm 10$ %), 60 Hz, 16 A or 230 VAC ( $\pm 10$ %), 50 or 60 Hz, 9 A (specify voltage and frequency)		115 VAC ( $\pm 10$ %), 60 Hz, 14 A or 230 VAC ( $\pm 10$ %), 50 Hz, 7 A, specify	
<b>Volume</b>	42 liters (11.2 gal)	27 liters (7.2 gal)	42 liters (11.2 gal)		27 liters (7.2 gal)
<b>Weight</b>	61 kg (135 lb)	63.5 kg (40 lb)	68 kg (150 lb)		56.7 kg (125 lb)
<b>Size (HxWxD)</b>	610 x 775 x 483 mm (24 x 30.5 x 19 in)	622 x 768 x 483 mm (24.5 x 30.25 x 19 in)	775 x 768 x 483 mm (30.5 x 30.25 x 19 in)	762 x 686 x 401 mm (30 x 27 x 15.8 in)	559 x 686 x 401 mm (22 x 27 x 15.8 in)

**Automation  
Package**

Interface-*it* software and RS-232 computer interface are available for setting the bath temperature via an external computer. For IEEE-488, add the 2001-IEEE to the automation package. (Interfaces not available for Model 7011.)