

## Section 3 Specifications

### Electrical Requirements

Digital Water Baths	
Catalog Number	Voltage
18002AQ	120V 50/60 Hz
18002A-1CEQ	230V 50/60 Hz
18007AQ	120V 50/60 Hz
18007A-1CEQ	230V 50/60 Hz
18022AQ	120V 50/50 Hz
18022A-1CEQ	230V 50/60 Hz
18052AQ	120V 50/60 Hz
18052A-1CEQ	230V 50/60 Hz
18102AQ	120V 50/60 Hz
18102A-1CEQ	230V 50/60 Hz
18802AQ	120V 50/60 Hz
18802A-1CEQ	230V 50/60 Hz
18902AQ	120V 50/60
18902A-1CEQ	230V 50/60

Basic Water Baths	
Catalog Number	Voltage
18000AQ	120V 50/60 Hz
18000A-1CEQ	230V 50/60 Hz
18005AQ	120V 50/60 Hz
18005A-1CEQ	230V 50/60 Hz
18020AQ	120V 50/60 Hz
18020A-1CEQ	230V 50/60 Hz
18050AQ	120V 50/60 Hz
18050A-1CEQ	230V 50/60 Hz
18100AQ	120V 50/60 Hz
18100A-1CEQ	230V 50/60 Hz
18800AQ	120V 50/60 Hz
18800A-1CEQ	230V 50/60 Hz
18900AQ	120V 50/60 Hz
18900A-1CEQ	230V 50/60 Hz

*These are nominal specifications. Thermo Scientific reserves the right to change specifications or designs at any time without incurring obligation.*

### Digital Models

Power requirements: . . . . 120VAC or 230 VAC,  $\pm 10\%$ , 50 or 60 Hz

Ambient conditions: . . . +4°C to +35°C, up to 75% relative humidity

Temperature range: . . . . Cover open: Ambient to 60°C; Cover closed:  
Ambient to 100°C

Control: . . . . .  $\pm 0.1^\circ\text{C}$  between ambient and 100°C

Uniformity: . . . . .  $\pm 0.24^\circ\text{C}$  at 37°C

. . . . .  $\pm 0.5^\circ\text{C}$  @ 37°C (Shallow Pan)

Stability: . . . . .  $\pm 0.5^\circ\text{C}$  at 37°C

\*Max Altitude: . . . . . 2000m

\*Over Voltage Category II (IEC 664)

\*Pollution Degree 2 (EC 664)

### Analog Models

Power requirements: . . . . 120VAC or 230VAC,  $\pm 10\%$ , 50 or 60 Hz

Ambient conditions . . . . +4°C to +35°C, up to 75% relative humidity

Temperature range: . . . . Cover open: Ambient to 75°C, Cover closed:  
Ambient to 100°C

Temperature range:

Model 18050AQ . . . . Cover open: Ambient to 85°C

Model 18020AQ . . . Cover open: Ambient to 70°C

Uniformity: . . . . .  $\pm 0.2^\circ\text{C}$  at 37°C

0.5°C at 37°C for Shallow Pan Units Only

Stability: . . . . .  $\pm 0.2^\circ\text{C}$  at 37°C

\*Max Altitude: 2000m

\*Over Voltage Category II (IEC 664)

\*Pollution Degree 2 (IEC 664)

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*CE Products meet the relevant EC harmonized standards for safety (IEC1010-1/EN61010 and EMC (EN55014, EN55104, EN61000-4-2, -4-4, -4-6, -4-11 and ENV50140*

\*Applies to 230V units only

**Table 3-1.** Tank Capacity and Dimensions - Digital and Analog Water Baths (applies to both 120V and 230V units)

<b>Model</b>	<b>Type</b>	<b>Capacity - Gals (liters)</b>	<b>Interior Dimensions W x L x D</b>	<b>Exterior Dimensions W x L x D</b>
18022AQ, 18022A-CEQ	Digital	0.5 (2) Single Chamber, Shallow	11.75 x 5.88 x 2.5 (30 x 15 x 6)	14.5 x 10.5 x 7.63 (36 x 27 x 19)
18020AQ, 18020A-1CEQ	Analog	0.5 (2) Single Chamber, Shallow	11.75 x 5.88 x 2.5 (30 x 15 x 6)	14.5 x 10.5 x 7.63 (36 x 27 x 19)
18052AQ, 18052A-1CEQ	Digital	0.5 (2) Single Chamber	5.88 x 5.25 x 6 (15 x 13 x 15)	10.75 x 9.88 x 7.6 (27 x 25 x 19)
18050AQ, 18050A-1CEQ	Analog	0.5 (2) Single Chamber	5.88 x 5.25 x 6 (15 x 13 x 15)	10.75 x 9.88 x 7.6 (27 x 25 x 19)
18002AQ, 18002A-1CEQ	Digital	1.38 (5) Single Chamber	11.75 x 5.88 x 6 (30 x 15 x 15)	14.5 x 10.5 x 7.6 (37 x 27 x 19)
18000AQ, 18000A-1CEQ	Analog	1.38 (5) Single Chamber	11.75 x 5.88 x 6 (30 x 15 x 15)	14.5 x 10.5 x 7.6 (37 x 27 x 19)
18007AQ, 18007A-1CEQ	Digital	2.63 (10) Single Chamber	11.75 x 12.88 x 6 (30 x 33 x 15)	15.38 x 16.38 x 8.88 (39 x 42 x 23)
18005AQ, 18005A-1CEQ	Analog	2.63 (10) Single Chamber	11.75 x 12.88 x 6 (30 x 33 x 15)	15.38 x 16.38 x 8.88 (39 x 42 x 23)
18802AQ, 18002A-1CEQ	Digital	1.38 (5) Single Chamber	5.88 x 11.75 x 6 (15 x 30 x 15)	24.38 x 16.38 x 8.88 (62 x 42 x 23)
18800AQ, 18800A-1CEQ (Sm. bath, Lg. bath)	Analog	1.38 (5) and 2.63 (10) Dual Chamber	Sm. 5.88 x 11.75 x 6 (15 x 30 x 15) Lg. 12.88 x 11.75 x 6 (33 x 30 x 15)	24.38 x 16.38 x 8.88 (62 x 42 x 23)
18102AQ, 18102A-1CEQ	Digital	5.25 (20) Single Chamber	19.75 x 11.75 x 6 (50 x 30 x 15)	24.38 x 16.38 x 8.88 (62 x 42 x 23)
18100AQ, 18100A-1CEQ	Analog	5.25 (20) Single Chamber	19.75 x 11.75 x 6 (50 x 30 x 15)	24.38 x 16.38 x 8.88 (62 x 42 x 23)
18902AQ, 18902A-1CEQ	Digital	7.38 (28) Single Chamber	19.75 x 11.75 x 8 (50 x 30 x 20)	24.38 x 16.38 x 10.88 (62 x 42 x 28)
18900AQ, 18900A-1CEQ	Analog	7.38 (28) Single Chamber	19.75 x 11.75 x 8 (50 x 30 x 20)	24.38 x 16.38 x 10.88 (62 x 42 x 28)