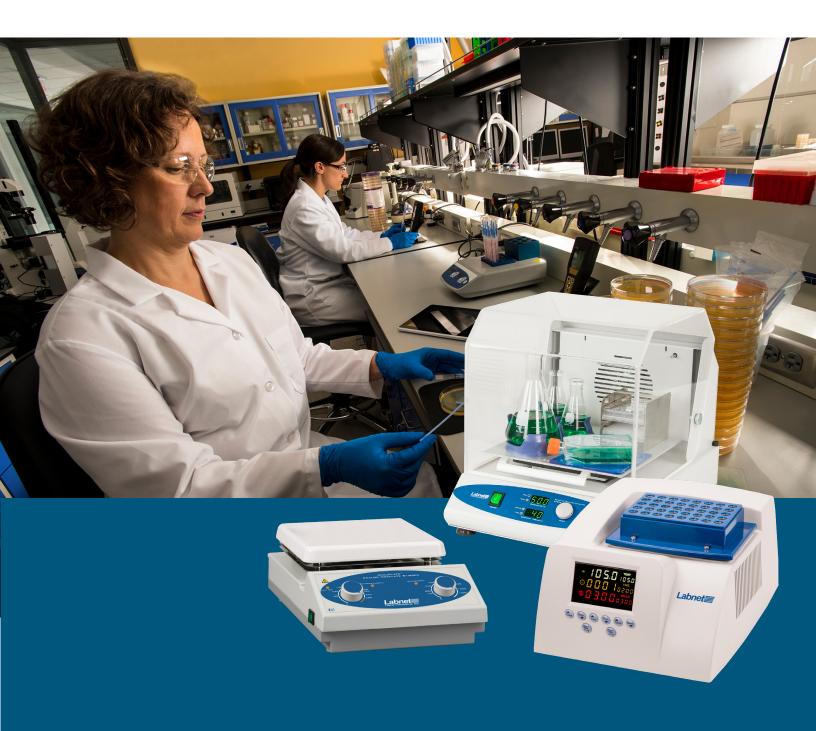


# **Constant Temperature** Selection Guide



### ProBlot™ 6 and 12 Hybridization Oven





- Precise temperature control and stability for reproducible results
- Variable speed rotisseries hold 35 mm bottles and 50 mL tubes
- Durable stainless steel interior
- Optional accessories include rocking platforms and different sized rotisseries

#### Specifications

	ProBlot 6	ProBlot 12
Bottle Capacity	6 large or 12 small	12 large or 24 small
Rotisserie Speed	4 to 20 rpm	4 to 20 rpm
Temperature Range	Ambient +5°C to 80°C	Ambient +5°C to 80°C
Temperature Resolution	0.1°C	0.1°C
Temperature Uniformity	±0.5°C	±0.5°C
Exterior Dimensions	19 x 17.5 x 19.5 in. (48.3 x 44.5 x 49.5 cm)	19 x 17.5 x 19.5 in. (48.3 x 44.5 x 49.5 cm)
Chamber Dimensions	14.5 x 11 x 13.5 in. (36.8 x 27.9 x 34.3 cm)	14.5 x 11 x 13.5 in. (36.8 x 27.9 x 34.3 cm)
Weight	59 lbs. (26.8 kg)	59 lbs. (26.8 kg)

#### **Ordering Information**

#### ProBlot 6 and 12 Hybridization Ovens

Cat. No.	Description
H0600A	ProBlot 6 Hybridization Oven, 120V
H0600A-230V	ProBlot 6 Hybridization Oven, 230V
H1200A	ProBlot 12 Hybridization Oven, 120V
H1200A-230V	ProBlot 12 Hybridization Oven, 230V

Cat. No.	Description
H1200-RA	Rocking platform with attachment hardware
H1212-40VA	Rotisserie for 12 x 50 mL conical tubes held vertically
H1264-HA	Rotisserie for 64 x 1.5 mL or 32 x 15 mL tubes held horizontally
H1264-VA	Rotisserie for 64 x 1.5 mL or 32 x 15 mL tubes held vertically

Rocking platform





### **211DS Digital Shaking Incubator**





Universal spring loaded clamp platform



Flask clamps

- Integrated digital orbital shaker
- ▶ Exclusive SmartCheck<sup>™</sup> temperature control system
- Broad temperature range to meet a wide variety of applications
- Stacking design saves space

#### Specifications

- F	
Temperature Range	Ambient +5° to 80°C in 0.1° increments
Temperature Uniformity	±0.5°C
Temperature Accuracy	±0.1°C
Shaker Speed	20 to 300 rpm
Timer	0 to 99 min or continuous
Shaker Orbit	19 mm
Exterior Dimensions	16.75 x 21.75 x 23 in. (42.5 x 55 x 58 cm)
Chamber Dimensions	13.5 x 14.25 x 15 in. (34.3 x 37.5 x 38.1 cm)
Chamber Volume	1.7 cu. ft. (49 L)
Weight	83 lbs. (37.7 kg)

#### **Ordering Information**

#### Labnet 211DS Digital Shaking Incubator

Cat. No.	Description
I-5211-DS	211DS 49L Shaking Incubator, 120V
I-5211-DS-220V	211DS 49L Shaking Incubator, 230V

Cat. No.	Description
I-5211-SA	Stacking adapter, required when stacking incubators
I-5230	Flask clamp platform, pre-drilled (see clamps below)
I-5231	Flat platform with non-slip rubber mat (30 x 30 cm)
I-5231-D	Double flat platform with non-slip rubber mat
S2031-13	Universal spring loaded clamp platform for flasks, bottles, etc.
S2040-85	Flask clamp, 125 mL (maximum 16)
S2040-99	Flask clamp, 250 mL (maximum 9)
S2040-09	Flask clamp, 500 mL (maximum 5)
S2040-01	Flask clamp, 1,000 mL (maximum 4)



### **311DS Digital Shaking Incubator**





Platform with 6 x 1L flask clamps



Rack holder for 15 mL tubes

- ▶ Exclusive SmartCheck<sup>™</sup> temperature control system
- Broad temperature range to meet a wide variety of applications
- Gasketed door with large, integral viewing area

#### Specifications

specifications	
Temperature Range	Ambient +5° to 80°C
Temperature Uniformity	±0.5°C
Temperature Accuracy	±0.1°C
Shaker Speed	20 to 300 rpm
Timer	0 to 99 min or continuous
Shaker Orbit	19 mm
Exterior Dimensions (W x D x H)	22.6 x 21.4 x 25 in. (57.4 x 54.4 x 63.5 cm)
Chamber Dimensions (W x D x H)	17.4 x 15.6 x 16 in. (44.2 x 39.6 x 40.6 cm)
Chamber Volume	2.5 cu. ft. (71 L)
Weight	140 lbs. (63.6 kg)

#### **Ordering Information**

#### Labnet 311DS Digital Shaking Incubator

Cat. No.	Description
I-5311-DS	311DS 71L Shaking Incubator, 120V
I-5311-DS-230V	311DS 71L Shaking Incubator, 230V

/	
Cat. No.	Description
I-5322	Additional shelf
l-5331	Flat platform with non-slip rubber mat (39 x 33 cm)
I-5330	Shaking platform pre-drilled for flask clamps (flask clamps sold separately, see page above)
S2040-02	Clamp for 2L erlenmeyer flask
S2040-50	Clamp for 50 mL erlenmeyer flask
S2040-25	Clamp for 25 mL erlenmeyer flask
I-5330-2000	Platform with 4 x 2L flask clamps
I-5330-1000	Platform with 6 x 1L flask clamps
I-5330-500	Platform with 8 x 500 mL flask clamps
I-5330-250	Platform with 12 x 250 mL flask clamps
I-5330-125	Platform with 20 x 125 mL flask clamps
I-5330-50	Platform with 30 x 50 mL flask clamps
I-5330-RH15	Rack holder, fits I-5330, holds 1 x 15 mL test tube rack (cat. no. K566-xx)
I-5330-RH50	Rack holder, fits I-5330, holds 1 x 50 mL test tube rack (cat. no. K568-xx)



### 311D and 611D Digital Incubator



- Gravity or mechanical convection settings
- Solid outer door with inner viewing door and interior light
- Internal outlet for powering small equipment
- ▶ Precise SmartCheck<sup>™</sup> digital microprocessor temperature control

#### **Specifications**

	311D	611D
Temperature Range	Ambient +5 to 95°C	Ambient +5 to 95°C
Temperature Uniformity	±0.20°C at 37°C ±0.50°C at 37°C ±0.75°C at 37°C	±0.25°C at 37°C ±0.60°C at 37°C ±0.90°C at 37°C
Exterior Dimensions	27 x 20 x 29 in. (68.6 x 51 x 73.7cm)	31 x 26 x 34 in. (78.5 x 66 x 86.4 cm)
Chamber Dimensions	17 x 14 x 20 in. (43.2 x 35.6 x 51 cm)	21 x 20 x 25 in. (53.3 x 51 x 63.5 cm)
Chamber Volume	2.75 cu. ft. (77.9 L)	6.0 cu. ft. (169.9 L)
Weight	140 lbs. (63.6 kg)	185 lbs. (84 kg)

#### **Ordering Information**

Cat. No.	Description
I-5311-D	311D Digital Incubator, 120V
I-5319	Additional shelf for 311D
I-5611-D	611D Digital Incubator, 120V
I-5619	Additional shelf for 611D



# 222DS Benchtop Shaking Incubator



- Exceptional versatility
- ▶ Precise SmartCheck<sup>™</sup> digital microprocessor temperature control
- Compact design allows unit to open under shelves
- Flexibility to control unit using keypad or software

#### Specifications

-	
Temperature Range	Ambient +5°C to 70°C in 0.1° increments
Temperature Uniformity	±0.5°C
Temperature Accuracy	±0.5°C
Shaker	Circular, 19 mm orbit, 20 to 300 rpm
Timer	1 min to 99 hrs or continuous
Dimensions	14.6 x 20.9 x 15.7 in. (37 x 53 x 40 cm)
Height with Lid Open	21.7 in. (55 cm)
Platform Dimensions	11.8 x 11.8 in. (30 x 30 cm)
Weight	43 lbs. (19.5 kg)

#### **Ordering Information**

#### Labnet 222DS Benchtop Shaking Incubator

Cat. No.	t. No. Description	
I-5222-DS	222DS Benchtop Shaking Incubator, 120V	
I-5222-DS-230V	222DS Benchtop Shaking Incubator, 230V	

Cat. No.	Description
I-5230	Shaking platform, predrilled
I-5230-DS	Universal platform, 11.8 x 11.8 in. (30 x 30 cm)
I-5220	Petri dish shelf
1-5240	Sticky mat, 150 x 150 x 3 mm
I-5250	Microtiter hotel for 3 x microplates stacked horizontally
I-5260	Combi tube holder, 6 x 15 or 50 mL tubes
I-2041-1000	Plastic flask clamp, 1,000 mL (maximum 4)
I-2041-500	Plastic flask clamp, 500 mL (maximum 5)
I-2041-250	Plastic flask clamp, 250 mL (maximum 9)
I-2041-125	Plastic flask clamp, 125 mL (maximum 16)



### **Microtube Shaking Incubator**



- Small footprint
- ▶ 8 interchangeable blocks to accommodate various tube sizes
- Rapid cooling and heating
- Fine-tuned speed control from 300 to 1,500 rpm

#### **Specifications**

Temperature Setting Range	0°C to 105°C
Temperature Control Range	Ambient -14°C to 100°C
Timer Range	1 minutes to 99 hours 59 minutes
Mixing Speed	300 rpm to 1,500 rpm
Mixing Orbit	3 mm
Temperature Control Accuracy	±0.5°C
Temperature Uniformity	±0.5°C
Heating Time	6.5°C/min.
Cooling Time	1.5°C/min.
Dimensions	12.9 x 6.5 x 9.8 in. (33 x 16.6 x 24 cm)
Weight	18.75 lbs. (8.5 kg)

#### **Ordering Information**

#### Labnet Microtube Shaking Incubator

Cat. No.	Description	
I-4001-HCS	Labnet Microtube Shaking Incubator, 120V	
I-4002-HCS	Labnet Microtube Shaking Incubator, 230V	

Cat. No.	Description
I-4000-A	Block A, 40 x 1.5 mL
I-4000-B	Block B, 54 x 0.5 mL
I-4000-C	Block C, 96 x 0.2 mL
I-4000-D	Block D, 24 x 15 mm
I-4000-E	Block E, water bath (ID: 115 x 73 x 38 mm)
I-4000-G	Block G, 26 x 0.5 mL and 24 x 1.5 mL
I-4000-H	Block H, 40 x 2.0 mL
I-4000-J	Block J, 96-well ELISA plate



### Vortemp<sup>™</sup> 56 Shaking Incubator



- Shake and incubate samples simultaneously
- Supplied with interchangeable platforms for microtubes or microplates
- Broad temperature and speed range
- Intelligent control with digital LED display
- Shaking feature can be turned off, allowing the unit to be used as a static incubator

#### **Specifications**

1	
Temperature Range	Ambient +5° to 99°C
Temperature Accuracy	±0.5°C
Speed Range	200 to 1,200 rpm
Motion, Orbit	Circular, 3 mm
Timer	1 to 99 min or continuous
Capacity	56 x 1.5 or 2.0 mL tubes, 4 standard or 2 deep well microplates
Dimensions	9.1 x 12.2 x 9.1 in. (23 x 31 x 23 cm)
Weight	24.2 lbs. (11 kg)

#### **Ordering Information**

#### Labnet Vortemp 56 Shaking Incubator

Cat. No. Description	
S2056A	Vortemp 56 Shaking incubator for microtubes and microplates, 120V
S2056A-220	Vortemp 56 Shaking incubator for microtubes and microplates, 230V

Cat. No.	Description
S2056-R	Additional platform/workstation for microtubes
S2056-Q	Additional platform/workstation for microplates
C1205	Individual adapters for 0.5 or 0.6 mL tubes, pack of 6
C1206	Individual adapters for 0.4 mL tubes, pack of 6
C1222	Individual adapters for 0.2 mL tubes, pack of 6



### Vortemp<sup>™</sup> 1550 Shaking Incubator





- Shake and incubate samples simultaneously
- Supplied with interchangeable platforms for 15 and 50 mL tubes
- Broad temperature and speed range
- Intelligent control with digital LED display

#### Specifications

Temperature Range	Ambient +5° to 99°C
Temperature Accuracy	±0.5°C
Speed Range	200 to 900 rpm
Motion, Orbit	Circular, 3 mm
Timer	1 to 99 min or continuous
Capacity	18 x 15 mL tubes or 8 x 50 mL tubes
Dimensions	10.2 x 12.2 x 12.2 in. (26 x 31 x 31 cm)
Weight	26.6 lbs. (12 kg)

#### **Ordering Information**

#### Labnet Vortemp 1550 Shaking Incubator

Cat. No.	Description	
S2050A	Vortemp 1550 Shaking incubator for 15 and 50 mL tubes, 120V	
S2050A-230V	Vortemp 1550 Shaking incubator for 15 and 50 mL tubes, 230V	

Cat. No.	Description	
S2056-R	Additional platform/workstation for microtubes	
S2056-Q	Additional platform/workstation for microplates	
C1205	Individual adapters for 0.5 or 0.6 mL tubes, pack of 6	
C1206	Individual adapters for 0.4 mL tubes, pack of 6	
C1222	Individual adapters for 0.2 mL tubes, pack of 6	



### **Mini Incubator**





Mini Incubator with Mini Lab Roller

- Ideal for small laboratories and classrooms
- Broad temperature range
- Rear cord port allows for use of small mixers inside
- Includes one height-adjustable shelf.
- Corrosion resistant chamber.

#### Specifications

<u> </u>	
Temperature Range	Ambient +5° to 60°C
Capacity	0.375 cu. ft. (9.2 L)
Controls	Analog
Exterior Dimensions	11.2 x 11 x 13.2 in. (28.5 x 28 x 33.5 cm)
Interior Dimensions	19 x 7.9 x 7.9 in. (23 x 20 x 20 cm)
Weight	26.6 lbs. (12 kg)

#### **Ordering Information**

#### Labnet Mini Incubator

Cat. No.	Description
I5110A	Mini Incubator, 120V
I5110A-230V	Mini Incubator, 230V
15110A-MLR	Mini Incubator with Mini Lab Roller and rotisseries for 1.5, 15 and 50 mL tubes, 120V $$
I5110A-MLR- -230E	Mini Incubator with Mini Lab Roller and rotisseries for 1.5, 15 and 50 mL tubes, 230V, EU plug

Cat. No.	Description
I5110-SHELF	Additional shelf, 22 x 18 cm
W0020-110C	Non-toxic safety thermometer, range -20°C to 110°C, resolution 1°C, 305 mm length, 76 mm immersion.



## AccuBlock<sup>™</sup> Digital Dry Baths









- Single, dual, and four block capacity to maximize sample processing (blocks sold separately)
- Dual display allows for easy monitoring of temperature and time
- USB connectivity enables traceability of data
- Molded block chamber provides excellent temperature uniformity

#### Specifications

1			
Temperature Range	Ambient +5°C to 150°C		
Temperature Display	4-digit LED, accurate to 0.1℃		
Temperature Uniformity	± 0.2°C (at 37°C in block)		
Temperature Accuracy	± 0.3°C		
Temperature Control	User calibratable microprocessor		
Timer	1 minute to 99 hours 59 minutes, or continuous in 1-minute increments		
Operating Altitude	Up to 2,000 meters		
Dimensions (W x D x H)			
Single block	8.3 x 12.4 x 4.7 in. (21 x 31.5 x 12 cm)		
Dual block	8.3 x 12.4 x 4.7 in. (21 x 31.5 x 12 cm)		
Four block	8.3 x 16.3 x 4.7 in. (21 x 41.5 x 12 cm)		
Weight			
Single block 7.0 lbs. (3.2 kg)			
Dual block	7.0 lbs. (3.2 kg)		
Four block 9.6 lbs. (4.4 kg)			

#### **Ordering Information**

#### Labnet AccuBlock Digital Dry Baths

Cat. No.	Description
D1301	Digital dry bath, single block, 120V
D1301-230V	Digital dry bath, single block, 230V
D1302	Digital dry bath, dual block, 120V
D1302-230V	Digital dry bath, dual block, 230V
D1304	Digital dry bath, four block, 120V
D1304-230V	Digital dry bath, four block, 230V

Cat. No.	Description
D1101	Solid block for machining (no holes)
D1102	Single block, 48 x 0.2 mL PCR tubes or 6 x 0.2 mL
D1102A	Single block, 24 x 2.0 mL tubes
D1105	Single block, 24 x 0.5 mL tubes
D1105A	Single block, 24 x 1.5 mL tubes
D1106	Single block, 35 x 6 mm tubes
D1110	Single block, 20 x 10 mm tubes
D1112	Single block, 20 x 12 mm tubes
D1113	Single block, 20 x 13 mm tubes
D1115-Tall	Single block, 12 x 15 mL conical tubes
D1116	Single block, 12 x 15 or 16 mm tubes







AccuRack tube racks

#### Accessories (continued)

Cat. No.	Description	
D1115-TALL	Single block, 12 x 15 mL conical tubes	
D1116	Single block, 12 x 15 or 16 mm tubes	
D1117	Single block, 12 x 17 mm tubes	
D1120	Single block, 6 x 20 mm tubes	
D1125	Single block, 6 x 25 mm tubes	
D1150-TALL	Single block, 5 x 50 mL conical tubes	
D1196-PCR	Single block, 96-well PCR plate, skirted or non-skirted	
D1296	Dual block, 96-well microplate or 4 slides	
D1296-PCR	Dual block, 96-well PCR plate, skirted or non-skirted	
D12384	Dual block, 384-well PCR plate (for dual block unit only)	
D1100-PS	Stoppers for D1102, D1102A, D1105, D1105A blocks	
D1105A-RACK	AccuRack™ tube rack for 20 x 1.5 mL tubes, compatible with the D1105A block	
D1300-PROBE	Dry bath external temperature sensor	

### AccuBlock™ Mini Compact Dry Bath



- Accurate temperature control to 100°C
- Precision LCD digital display
- 12 x 1.5 mL aluminum block included
- Compact and convenient
- AccuRack transfer rack included

#### **Specifications**

Temperature Range	Ambient +5° to 100°C
Temperature Resolution	0.1°C
Temperature Uniformity	±0.2°C
Temperature Accuracy	±0.2°C
Timer	Analog
Block	Anodized aluminum, 12 x 1.5 mL tubes
Dimensions	5.5 x 4.8 x 2.4 in. (14 x 12 x 6 cm)
Weight	3 lbs. (1.3 kg)

#### **Ordering Information**

Cat. No.	Description
D0100	AccuBlock Mini Digital Dry Bath, 12 x 1.5 mL tubes, 120V
D0100-230V	AccuBlock Mini Digital Dry Bath, 12 x 1.5 mL tubes, 230V



### AccuPlate<sup>™</sup> Analog Hot Plate Stirrers





Support rod

- Precise control of temperature and stirring speeds
- Maximum hot temperature surface 380°C
- ▶ 5 L stirring capacity
- Low profile design with 7 x 7 in. (180 x 180 mm) top plate

#### **Specifications**

	D0300	D0310	D0320
Temperature Range	Up to 380°C	-	Up to 380°C
Speed Range	-	100 to 1,500 rpm	100 to 1,500 rpm
Top Plate Material	Ceramic	Ceramic	Ceramic
Top Plate Size	7 x 7 in. (180 x 180 mm)	7 x 7 in. (180 x 180 mm)	7 x 7 in. (180 x 180 mm)
Dimensions	7.9 x 12.2 x 4.2 in. (20 x 30 x 11.5 cm)	7.9 x 12.2 x 4.2 in. (20 x 30 x 11.5 cm)	7.9 x 12.2 x 4.2 in. (20 x 30 x 11.5 cm)
Capacity	Up to 5L	Up to 5L	Up to 5L
Watts	680W	15W	695W

#### **Ordering Information**

#### Labnet AccuPlate™ Analog Hot Plate Stirrers

Cat. No.	Description
D0300	Analog Hot Plate, 120V
D0300-230V	Analog Hot Plate, 230V
D0310	Analog Magnetic Stirrer, 120V
D0310-230V	Analog Magnetic Stirrer, 230V
D0320	Analog Hot Plate Stirrer, 120V
D0320-230V	Analog Hot Plate Stirrer, 230V

Cat. No.	Description
D0300-SR	Support rod (included with D0300 and D0320)



## AccuPlate<sup>™</sup> Digital Hot Plate Stirrers





Boss head clamp



Temperature probe holding rod

- Precise control of liquid temperature and stirring speed
- Digital display and safety indicators
- Angled front panel with large knobs
- Optional external temperature controller

#### **Specifications**

	D0400	D0410	D0420
Temperature Range	5 to 550°C	-	5 to 550°C
Temperature Accuracy	±2.0°C	-	±2.0°C
Speed Range	-	60 to 1,150 rpm	60 to 1,150 rpm
Speed Accuracy	-	±5%	±5%
Top Plate Material	Ceramic	Ceramic	Ceramic
Top Plate Size	5 x 7 in. (12.7 x 17.8 cm)	5 x 7 in. (12.7 x 17.8 cm)	5 x 7 in. (12.7 x 17.8 cm)
Dimensions	7.8 x 11 x 4.3 in. (19.7 x 28 x 10.8 cm)	7.8 x 11 x 4.3 in. (19.7 x 28 x 10.8 cm)	7.8 x 11 x 4.3 in. (19.7 x 28 x 10.8 cm)
Weight	6 lbs. (2.7 kg)	6 lbs. (2.7 kg)	6 lbs. (2.7 kg)

#### **Ordering Information**

#### Labnet AccuPlate™ Analog Hot Plate Stirrers

Cat. No.	Description
D0400	AccuPlate Hotplate, 5 x 7 in. (12.7 x 17.8 cm) ceramic top, 120V
D0400-230V	AccuPlate Hotplate, 5 x 7 in. (12.7 x 17.8 cm) ceramic top, 230V
D0410	AccuPlate Stirrer, 5 x 7 in. (12.7 x 17.8 cm) ceramic top, 120V
D0410-230V	AccuPlate Stirrer, 5 x 7 in. (12.7 x 17.8 cm) ceramic top, 230V
D0420	AccuPlate Hotplate Stirrer, 5 x 7 in. (12.7 x 17.8 cm) ceramic top, 120V
D0420-230V	AccuPlate Hotplate Stirrer, 5 x 7 in. (12.7 x 17.8 cm) ceramic top, 230V

Cat. No.	Description
D0461	Kit includes D0462, D0466 and stir bar retriever
D0462	External temperature probe (for use with D0400 and D0420)
D0463	PTFE coated magnetic stir bar (1 x 2.5 cm)
D0464	Boss head clamp for holding D0465 at a 90° angle from D0466 (for use with D0400 and D0420)
D0465	Temperature probe (D0462) holding rod (for use with D0400 and D0420)
D0466	Vertical support rod, 2 x 22.8 cm rods which can be connected



### Mini Water Bath



- Ideal for small laboratories and classrooms
- Broad temperature range
- > Stainless steel cover included with thermometer opening
- 6 L capacity can accommodate multiple test tube racks or up to three 250 mL flasks

#### **Specifications**

Temperature Range	Ambient +5° to 100°C
Capacity	6 L
Controls	Analog
Heater	550W
Exterior Dimensions	14 x 11 x 13 in. (36 x 28 x 32 cm)
Interior Dimensions	12.6 x 6.7 x 6.9 in. (32 x 17 x 17.5 cm)
Weight	17 lbs. (7.7 kg)

#### **Ordering Information**

Cat. No.	Description
W1106A	Mini Water Bath 6L with stainless steel gable cover and thermometer clip, 120V
W1106A-230V	Mini Water Bath 6L with stainless steel gable cover and thermometer clip, 230V
W0020-110C	Non-toxic safety thermometer, range -20°C to 110°C, resolution 1°C, 305 mm length, 76 mm immersion

