

# HERMLE Benchmark

## Z287-A Microcentrifuge PLUS

- Multipurpose, 11 available rotor options
- Up to 14,000 rpm and 16,058 xg
- Swing out rotor options for tubes and plates
- Indicator Light, easily view cycle status
- Unique EZ-Scroll™ touch pad



### Z287-A Summary

Speed up to 14,000 rpm  
G-Force up to 16,058 x g  
Swing Out Capacity:  
4 x 50 ml  
4 x 15 ml  
8 x 10 ml  
2 x microplates

Angle Rotor Capacity  
6 x 50 ml  
12 x 15 ml  
24 x 1.5/2.0 ml

### Z287-A Features

#### Microprocessor Control

- Over-speed protection
- Automatic rotor identification
- Program Storage (99)
- Momentary spin button
- Imbalance detection
- Adjustable Accel/Decel
- Audible end of run alarm

#### Touch operation

- Status indicator light
- Maintenance free induction drive
- Electrical safety lid-lock
- Quiet operation, less than 60 DB
- Splash proof display

### Z287-A Specifications

Speed Range: 200 to 14,000 rpm  
Max. RCF: 16,058 x g  
Max Capacity: 6 x 50ml  
Timer: up to 99 hr, 59 min.  
Dimensions: 14 x 17 x 10 in.  
(W x D x H) 35 x 43 x 26 cm.  
Weight: 39 lbs (18 kg)  
Electrical: 120 or 230V, 50/60Hz  
Power Draw: 170W



The Z287-A exceeds the limitations set forth by traditional microcentrifuges which are restricted solely to fixed angle rotors for microtubes. Instead, this compact, next generation model features an expansive line of swing out and fixed angle rotors options that accept microplates and test-tubes up to 50ml. We've designed this centrifuge to be our most compact and economical. A true workhorse for any lab requiring a centrifuge that can accommodate many fields of research.

Along with a broad range of available rotor options, the Z287-A introduces a convenient status indicator. Users can easily view the current state of the centrifuge from across the room. The LED illuminates to signify if the rotor is spinning, the run is completed or the centrifuge is idle in standby mode.

#### LED Status Indicator



Advanced microprocessor controls allow for instant rotor identification, which automatically converts the rotational speed to the relevant g-force (rcf), preventing the user from setting a speed above the capabilities of the installed rotor. In addition to retrieving saved programs, the EZ-Scroll touch wheel front panel can adjust accel/decel rates, and change the end of run alarm tone. Additionally this feature prevents debris buildup, leakage, and can be operated with gloves on. The Z287-A is a truly powerful and versatile centrifuge perfect for any research laboratory.

#### Ordering Information:

Z287-A\*

Z287-A Centrifuge (without rotor), 120V

\*115V with US Plug. For 230V (EU Plug), please order -E.

## Swing Out Rotors:



### Item: Z287-0450H

4 x 50 ml swing out rotor (90°)

Max Speed: 5,000 rpm / 3,633 x g

Accel: 26 sec. / Decel: 33 sec.

#### Inserts/Adapters

Z326-50-B15: 15ml (conical) 2/pk

Z326-15-A5: 5ml 2/pk

Z326-15-A7: 7ml 2/pk



### Item: Z287-02MP

2 x Microplate swing out rotor (90°)

Max Speed: 3,800 rpm / 1,453 x g

Accel: 27 sec. / Decel: 29 sec.

#### Inserts/Adapters

Z326-MPCA: 3 x chamber slide carrier and 30/60mm petri dish carrier 2/pk



### Item: Z287-0810H

8 x 10 ml Angle Rotor (90°)

Max Speed: 5,000 rpm / 3,717 x g

Accel: 25 sec. / Decel: 32 sec.

#### Inserts/Adapters

Z287-0810-A7: 7ml holders, 2/pk



### Item: Z287-0430H

4 x 30 ml swing out rotor (90°)

Max Speed: 5,000 rpm / 3,437 x g

Accel: 26 sec. / Decel: 31 sec.

## Fixed Angle Rotors:



### Item: Z287-0650

6 x 50ml Angle Rotor (40°)

Max Speed: 6,000 rpm / 4,427 x g

Accel: 34 sec. / Decel: 38 sec.

#### Inserts/Adapters

Z206-50-A15: 15ml (conical) 6/pk

Z206-50-A57: 7ml 6/pk

Z206-50-A5C: 5ml cushion for Z206-50-A57



### Item: Z287-1215

12 x 15ml Angle Rotor (32°)

Max Speed: 6,000 rpm / 4,427 x g

Accel: 34 sec. / Decel: 38 sec.

#### Inserts/Adapters

Z326-15-A5: 5ml 2/pk

Z326-15A7: 7ml 2/pk



### Item: Z287-0815

8 x 15ml Angle Rotor (33°)

Max Speed: 8,000 rpm / 6,153 x g

Accel: 22 sec. / Decel: 23 sec.

#### Inserts/Adapters

Z326-15-A5: 5ml 2/pk

Z326-15A7: 7ml 2/pk





**Item: Z287-2420**

24 x 1.5/2.0ml Angle Rotor (45°)

Max Speed: 12,000 rpm / 13,683 x g

Accel: 24 sec. / Decel: 20 sec.

**Inserts/Adapters**

C1008-A5-6: 0.5ml, 6/pk

C1008-A2-6: 0.2ml, 6/pk



**Item: Z287-1820**

18 x 1.5/2.0ml Angle Rotor (45°)

Max Speed: 14,000 rpm / 15,994 x g

Accel: 19 sec. / Decel: 21 sec.

**Inserts/Adapters**

C1008-A5-6: 0.5ml, 6/pk

C1008-A2-6: 0.2ml, 6/pk



**Item: Z287-24SC**

24 x 2.0ml Spin Column Kits Angle Rotor (45°)

Max Speed: 12,000 rpm / 13,683 x g

Accel: 23 sec. / Decel: 27 sec.



**Item: Z287-24HEM**

24 x Capillary Rotor (90°)

Max Speed: 13,000 rpm / 16,058 x g

Accel: 30 sec. / Decel: 33 sec.

[www.hermleUSA.com](http://www.hermleUSA.com)

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**Also Available from Benchmark:**

## Z446 Series

### High Capacity Centrifuges

Swing Out Rotor Accepts up to:

- 56 x 15ml conical tubes
- 28 x 50ml conical tubes
- 20 x microplates

