

# Z233 M-2 ■ Z233 MK-2

## High Performance Microcentrifuges

Z233 Series  
High Performance  
Microcentrifuges

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HERMLE  
**Labnet**

# Z 233M-2 ■ Z233MK-2

## Z233M-2 and Refrigerated Z233MK-2

The Z233 Series microcentrifuges have been designed to provide total control over operating parameters. A microprocessor, brushless induction drive, high speed capabilities and powerful refrigeration (Z233 MK2 only) make the Z233 series the ultimate in high performance.

Operating parameters, including speed/g-force, run time and temperature (MK-2 only) are set using easy to turn knobs while their values are shown on large digital displays. Both rpm and g-force can be displayed during a run. Acceleration and deceleration rates can be set at fast or slow. Momentary spins are achieved by pressing the quick button. The powerful refrigeration system in the Z 233 MK-2 cools the chamber and rotor quickly and maintains the set temperature throughout the run.

A rugged housing, heavy duty lid lock hinge, and stainless steel bowl make the Z233 series microcentrifuges durable workhorses. Seven rotor options are available, including the high capacity 44 x 1.5 / 2.0ml rotor.



- High speed - up to 15,000 rpm/21,380 x g
- Multiple rotor options including high capacity 44 x 1.5ml
- Whisper quiet brushless induction drive
- Automatic g-force conversion program

### SPECIFICATIONS

|                   |   |
|-------------------|---|
| Speed Range:      | 250 rpm tp 15,000 rpm                     |
| Maximum RCF:      | 21,380 x g                                |
| Maximum Capacity: | 44 x 1.5ml                                |
| Timer:            | 1 to 99 min. or continuous                |
| Temperature:      | -10°C to +40°C                            |
| Dimenions:        |   |
| Z233 M-2          | 28 x 37 x 26cm / 11 x 14.6 x 10.25in      |
| Z233 MK-2         | 32 x 54 x 28.5cm / 12.6 x 21.25 x 11.14in |

# Accessories

## Rotors

|  |   |   |  |   |   |
|--|---|---|--|---|---|
|  |  |  |  |  |  |
| <b>Rotors for Z233 series</b>              | <b>Order no. C0200-95</b>   | <b>Order no. C0230-2A*</b>  | <b>Order no. C0230-9A</b>  | <b>Order no. C0230-43A</b>  | <b>Order no. C0230-55A</b>  |
| <b>Max Capacity</b>                        | 18 x 1.5/2ml  | 24 x 1.5/2ml  | 44 x 1.5/2ml   | 64 x 0.5ml  | 24x1.5/2 & 24x0.5ml   |
| <b>Max. speed in rpm</b>                   | 14,000rpm   | 15,000rpm   | 14,000rpm  | 14,000rpm   | 14,000rpm   |
| <b>Max. radius</b>                         | 7.3 cm  | 8.5 cm  | 8.4 cm   | 8.2 cm  | 8.4 cm  |
| <b>Max. RCF (g-value)</b>                  | 15,994 x g  | 21,380 x g  | 18,400 x g   | 17,960 x g  | 18,400 x g  |
| <b>Acceleration time fast/slow in sec.</b> | 9/20  | 15/26   | 17/25  | 17/25   | 17/25   |
| <b>Deceleration time fast/slow in sec.</b> | 11/18   | 15/28   | 19/34  | 19/34   | 19/34   |
| <b>Minimum temp. at max Angle</b>          | -6°C<br>45°   | -2°C<br>40°   | 3°C<br>40°   | 3°C<br>40°  | 3°C<br>40°  |

\* Hermetically Sealable Version Also Available (C0230-30AH)

## Adapters

C1205 Individual adapters in 1.5/2.0ml for 0.5/0.6ml tubes, pack of 6

C1206 Individual adapters in 1.5/2.0ml for 0.4/0.25ml tubes, pack of 6

C1222 Individual adapters in 1.5/2.0ml for 0.2 thermal cycling tubes, pack of 6