

# Heating Mantles - Digital

(RT+20~250°C - optional magnetic stirrer)

Serving the Scientific, Medical and Research industries since 1945

**LABEC**

**LABEC** high quality **Heating Mantles** are available in a range of sizes to suit all common round bottom flask sizes.

The digital heating mantles have a built in digital controller with temperature settable +20°C above ambient to +250°C, element temperature up to 450°C.

The flexible coiled heating element provides excellent heat transfer whilst absorbing shock to minimise flask breakage.

The rigid steel housing supports the weight of the vessel and provides uniform heating of the vessel without the danger of an open flame.

**OPTIONAL:** with magnetic stirring.



M-MNS - Heating + Stirring

**LABEC**

Laboratory Equipment Pty Ltd

Laboratory Equipment Pty Ltd  
email: sales@labec.com.au  
Ph: 02 9560 2811 • Fax: 02 9560 6131  
www.labec.com.au

# SPECIFICATIONS

## Heating Mantles - Digital (RT+20~250°C - optional magnetic stirrer)

| Model                  | M-MN-50D                | M-MN-100D | M-MN-250D | M-MN-500D | M-MN-1000D  | M-MN-2000D  | M-MN-3000D  | M-MN-5000D  | M-MN-10LD   | M-MN-20LD   |
|------------------------|-------------------------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|
| Flask Capacity (ml)    | 50                      | 100       | 250       | 500       | 1000        | 2000        | 3000        | 5000        | 10,000      | 20,000      |
| Heating Mode           | Surface heat conduction |           |           |           |             |             |             |             |             |             |
| Max Surface Temp.      | 450°C                   |           |           |           |             |             |             |             |             |             |
| Temperature Range      | RT+20°C to 250°C        |           |           |           |             |             |             |             |             |             |
| Heating Element        | Nichrome Wire           |           |           |           |             |             |             |             |             |             |
| Shell                  | Painted Steel Plate     |           |           |           |             |             |             |             |             |             |
| Heating Power          | 80                      | 100       | 150       | 250       | 350         | 450         | 600         | 800         | 1200        | 2500        |
| Overall Dimension (mm) | Ø220 x h165             |           |           |           | Ø280 x h220 | Ø330 x h230 | Ø340 x h245 | Ø350 x h250 | Ø425 x h320 | Ø470 x h340 |
| Voltage                | 240V / 10 AMPS          |           |           |           |             |             |             |             |             |             |
| Weight (kg)            | 2.5                     |           |           |           | 5.5         | 6.5         | 7.5         | 8           | 10          | 16          |

| Model                  | M-MNS-50D               | M-MNS-100D | M-MNS-250D | M-MNS-500D | M-MNS-1000D | M-MNS-2000D | M-MNS-3000D | M-MNS-5000D | M-MNS-10LD  | M-MNS-20LD  |
|------------------------|-------------------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Flask Capacity (ml)    | 50                      | 100        | 250        | 500        | 1000        | 2000        | 3000        | 5000        | 10,000      | 20,000      |
| Heating Mode           | Surface heat conduction |            |            |            |             |             |             |             |             |             |
| Max Surface Temp.      | 450°C                   |            |            |            |             |             |             |             |             |             |
| Temperature Range      | RT+20°C to 250°C        |            |            |            |             |             |             |             |             |             |
| Speed Range            | 0 to 1600 rpm           |            |            |            |             |             |             |             |             |             |
| Heating Element        | Nichrome Wire           |            |            |            |             |             |             |             |             |             |
| Stir Bar               | PTFE                    |            |            |            |             |             |             |             |             |             |
| Shell                  | Painted Steel Plate     |            |            |            |             |             |             |             |             |             |
| Motor Power            | 100                     |            |            |            |             |             |             |             |             |             |
| Heating Power          | 80                      | 100        | 150        | 250        | 350         | 450         | 600         | 800         | 1200        | 2500        |
| Overall Dimension (mm) | Ø220 x h165             |            |            |            | Ø280 x h220 | Ø330 x h230 | Ø340 x h245 | Ø350 x h250 | Ø425 x h320 | Ø470 x h340 |
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