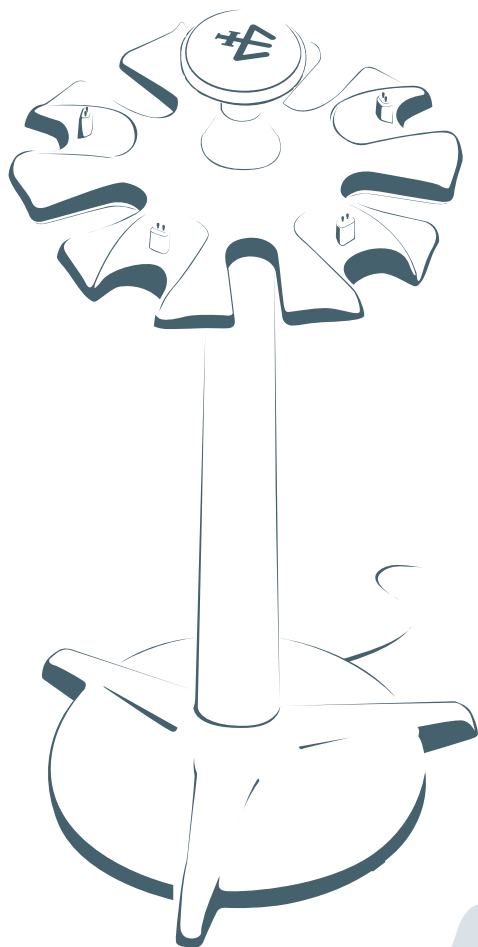




# power carrousel™

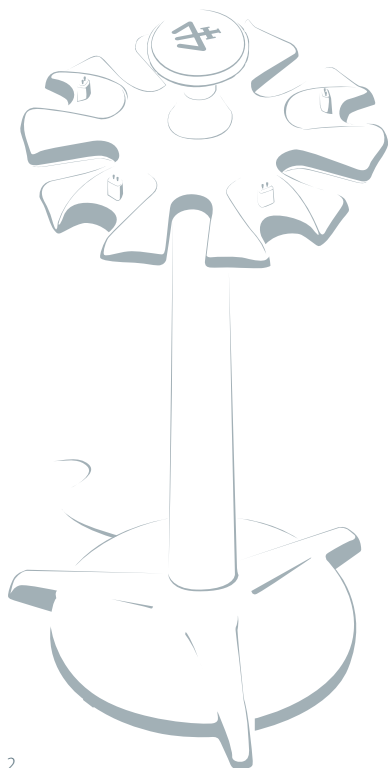
PIPETMAN M Exclusive Charging Stand!



EN USER'S GUIDE

 **GILSON®**

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## 1 - INTRODUCTION

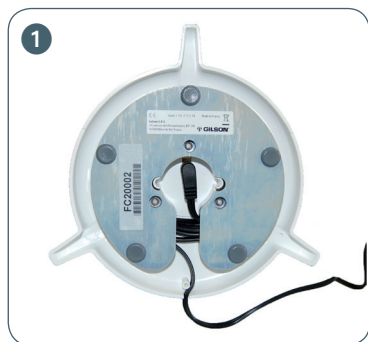
Congratulations on the purchase of the POWER CARROUSEL™, a multi-charging carousel designed to be used with all models of PIPETMAN M pipettes.

Model	Ordering Reference
POWER CARROUSEL	FB1001

## 2 - PARTS CHECK LIST

Just take a moment to verify that the following items are present:

- POWER CARROUSEL,
- Power Supply 5V with AC adapter and cable.



### 3 - GETTING STARTED

#### Installation of the POWER CARROUSEL

1. Place the POWER CARROUSEL on the bench.
2. Connect the AC adapter to a suitable AC power supply. The cable is stored on the bottom side of the carousel, it can be unrolled and rolled as required (see figure 1).
3. The carousel is ready to charge PIPETMAN M pipettes.



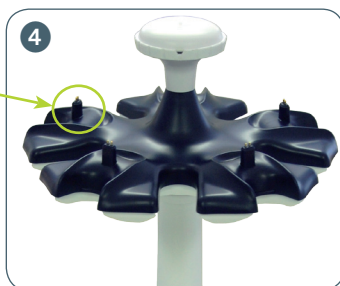
*Make sure that the POWER CARROUSEL is well positioned on the bench. Do not use the POWER CARROUSEL on an unbalanced surface or with inaccurately rolled cable.*

*Please note: It's recommended to properly balance the pipettes on the carousel to guarantee perfect stability (see figure 2).*



#### Battery charging of PIPETMAN M by using the POWER CARROUSEL

1. First install the POWER CARROUSEL as described above.
2. Remove the plug (see figure 3). Now place your pipette on the charging position (see figure 4), please ensure that the pipette is properly fitted to the contacts on the top of the carousel (a proper fitting will trigger a beep sound).
3. The pipette will start charging. PIPETMAN M charges 80% of its full battery capacity in less than an hour, it takes three hours to fully charge the battery (for further information on PIPETMAN M power management please refer to the PIPETMAN M User's Guide located at <http://www.gilson.com>).



## 4 - CLEANING, DECONTAMINATION AND MAINTENANCE

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### Cleaning and Decontamination

- ▶ To clean the POWER CARROUSEL, wipe it with a soft-cloth or lint-free tissue dipped in a simple soap solution or 70% Ethanol, to remove all marks. If the POWER CARROUSEL is very dirty, a brush with soft plastic bristles may be used.
- ▶ To rinse, wipe the POWER CARROUSEL with a soft cloth or lint-free tissue dipped in distilled water.
- ▶ Allow it to air-dry or dry it carefully with a soft-cloth or lint-free tissue.



*Do not autoclave the POWER CARROUSEL! Extreme heat will damage electronic components.*

*Do not immerse the POWER CARROUSEL! Liquid inside will damage its internal components.*

If you use chemical solutions for decontamination or detergents for cleaning other than those specified below, you should check with your supplier that the solution or detergent is safe for use with the following materials: polypropylene, steel, rubber.

### Maintenance

The POWER CARROUSEL must be cleaned regularly. If necessary, you can replace:

- ▶ The antiskid rubber feet      5462105001
- ▶ Power supply                      FB07001



*The POWER CARROUSEL **must not be opened!** Repairs must be carried out by Gilson or a service company authorized by Gilson!*

*Please contact your local Gilson Service for the replacement of spare parts.*

## 5 - SAFETY PRECAUTIONS AND LIMITATIONS OF USE

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- 1 **Possible dangers if the safety precautions are not observed.** The POWER CARROUSEL is a state-of-the-art accessory and is safe to use. All persons working with the POWER CARROUSEL must read the operating and safety instructions before operating the instrument.
- 2 **Safety at work:** In addition to any safety precautions listed here, all other relevant safety aspects –e.g., GLP, GMP, professional trade associations, Department of Health, trade supervisory authorities – must be observed.
- 3 **Electrical specifications:** POWER CARROUSEL is supplied with an AC adaptor that is suitable for your country. You must only use an original Gilson AC adaptor specific to this product.

The POWER CARROUSEL is used to recharge Gilson PIPETMAN M pipettes with a battery specified by Gilson. Use AC-adaptor and stand adapter indoors.

#### AC adaptor

Input voltage, country-specific: 100-240 V, 50/60 Hz (0.6A max.)

Output voltage: +5 V DC; 3A (15W max.)

Class II  this device is double insulated.

Gilson will not take any responsibility if a non specified AC adaptor is used.

#### 4 The POWER CARROUSEL is not protected against liquids.



*Do not immerse the POWER CARROUSEL; liquid inside can damage its internal components.*

*Do not allow the liquid to enter the body of the POWER CARROUSEL.*

- 5 The look of the reel at the bottom of the carousel stand is due to an anti-corrosion treatment.
- 6 **Do not use POWER CARROUSEL in a potentially explosive environment** or with potentially explosive chemicals.
- 7 **Storage conditions:** Temperature: -10°C to 50°C – Humidity max: 80%
- 8 **Temperature of use:** Between 4°C and 40°
- 9 **Use the POWER CARROUSEL only with original Gilson's PIPETMAN M.** If the equipment is used in a manner not specified by Gilson in the user's guide, the protection provided in the equipment may be impaired.
- 10 Do not position pipettes on the POWER CARROUSEL if they can touch each other, this may create contamination on the pipettes.
- 11 **Equipment disposal:** (DEEE 2002/96/EC)  
This equipment must not be disposed of with unsorted municipal waste. Instead, it is your responsibility to correctly dispose of your waste equipment by handing it over to an authorised facility for separate collection and recycling. It is also your responsibility to decontaminate the equipment in case of biological, chemical, and/or radiological contamination so as to protect from health hazards the persons involved in the disposal and recycling of equipment. For more information about where you can drop off your waste equipment for recycling, please contact your local dealer from whom you originally purchased the product or your local council. By doing so, you will help conserve natural resources and you will ensure that your waste equipment is recycled in a manner that protects human health and the environment. Thank you.
- 12 **Changes in configuration/design by user:** No changes may be made to the POWER CARROUSEL. Any parts that become defective must be replaced by original Gilson parts. The POWER CARROUSEL may not be altered in design or in any of their safety aspects without the express written permission of Gilson. In particular, no alterations may be made to any of the protective functions. Any alteration releases Gilson from any liability for damage caused.



## 6 - TECHNICAL DATA SHEET

**Dimensions (LxH):** 15 cm (socket)/18 cm (rosette) x 40 cm

**Weight:** 895 g

**AC Adapter:** Input: 100-240V ~ 0.6A - 50-60Hz    Output: 5V DC 3.0A    Indoor use only.

**Temperature:** Storage: -10°C to +50°C    Operating: +4°C to +40°C

**Humidity:** 20%-80%

**Air pressure:** 800-1200 mbar

**UV-resistance:** If the POWER CARROUSEL will be exposed to ultraviolet light, the plastic housing might discolour and become slightly yellow. This will not affect functioning efficiency of the device.

### EC DECLARATION OF CONFORMITY

The company,

#### GILSON S.A.S.

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BP. 145 - 95400 Villiers-le-Bel (France)  
Tel.: +33(0) 1 34 29 50 00  
Fax: +33(0) 1 34 29 50 20  
www.gilson.com

Hereby certifies on its sole responsibility that the products listed below:

#### POWER CARROUSEL™

comply with the requirements of the following European Directives:

**2004/108/EC** Electromagnetic Compatibility  
**2002/95/EC** Restriction of hazardous substances  
**Directive REACH**

Villiers-le-Bel, March 1<sup>st</sup>, 2011



**A. El Sayed**  
General Manager



**H. Ledorze**  
Quality Manager



## NOTES

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A series of horizontal dashed lines for writing notes.

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