

power carousel™

User's Guide

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Chapter 1 INTRODUCTION

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

MODEL	PART NUMBER
POWER CARROUSEL	FB1001

Parts Checklist

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

- POWER CARROUSEL,
- Power Supply 5V with AC adapter and cable,
- POWER CARROUSEL User's Guide LT801541.

Chapter 2 SAFETY

All persons working with POWER CARROUSEL must read the operating and safety instructions before operating the instrument.

For safety reasons, it is important to observe the following instructions.

NOTICE

NOTICE indicates a potentially hazardous situation which, if not avoided, may result in equipment damage.

CAUTION

CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

WARNING

WARNING indicates a potentially hazardous situation which, if not avoided, may result in serious injury.

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.

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. 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.

NOTICE

POWER CARROUSEL is not protected against liquids.

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

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

The look of the reel at the bottom of the carousel stand is due to an anti-corrosion treatment (see Figure 1).

WARNING

Do not use POWER CARROUSEL in a potentially explosive environment or with potentially explosive chemicals.

Use 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.

CAUTION

Do not position pipettes on POWER CARROUSEL if they can touch each other, this may create contamination on the pipettes.

Changes in Configuration/Design by User

No changes may be made to POWER CARROUSEL. Any parts that become defective must be replaced by original Gilson parts.

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.

Installation of POWER CARROUSEL

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

NOTICE

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

NOTE

It's recommended to properly balance the pipettes on the carousel to guarantee perfect stability (see Figure 2).



Figure 1
POWER CARROUSEL™ Bottom Side

Battery Charging of PIPETMAN M by Using POWER CARROUSEL

1. First install 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 PIPETMAN M User's Guide located on www.gilson.com).



Figure 2
POWER CARROUSEL™ View



Figure 3
PIPETMAN® M Plug



Figure 4
Charging Position

CLEANING, DECONTAMINATION, AND MAINTENANCE

Cleaning and Decontamination

- To clean 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 POWER CARROUSEL is very dirty, a brush with soft plastic bristles may be used.
- To rinse, wipe 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.

NOTICE

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

Do not immerse 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

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

MODEL	PART NUMBER
The antiskid rubber feet	5462105001
Power supply	FB07001

NOTICE

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 representative for the replacement of spare parts.

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 max: 80%
Operating Temperature:	Between 4°C and 40°
Humidity:	20%-80%
Air pressure:	800-1200 mbar
UV-resistance:	If 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.

Equipment Disposal: (WEEE 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 authorized 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.



EC—DECLARATION OF CONFORMITY

POWER CARROUSEL is in accordance with EC directives:

- 2014/30/EU Electromagnetic Compatibility
- 2015/863/EU Restriction of hazardous substances
- Directive REACH



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