HTL Swiftpet Pro

Pipet Controller

HTL LAB SOLUTIONS

Quick Start Guide

Catalog Number:
0390

CE

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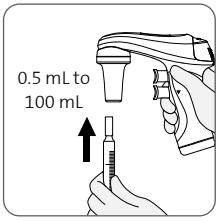
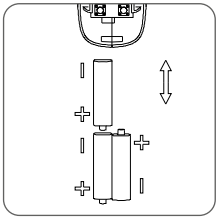
This quick guide is intended to provide a brief overview of the main features and operation of Swiftpet Pro.

For detailed information, please refer to the User Manual that can be found at **www.htl.com.pl** in several languages.



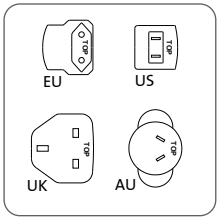
Intended Use

The pipet controller is a device intended for general laboratory use only, for pipetting liquids with the use of measuring pipets. It can work with all types of glass or plastic pipets in the volume range from 0.5 mL to 100 mL.



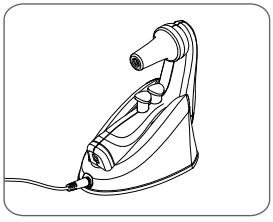
Battery Charge

The pipet controller is delivered with 3 NiMH type AAA batteries that may be charged only with the original charger. Using chargers other than the original one may damage the battery.

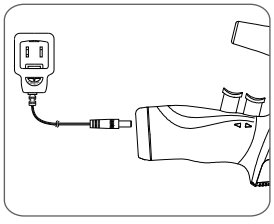


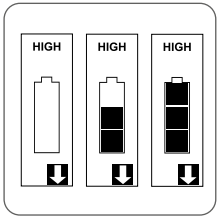
Use country specific adapter. Charge the batteries either on charging stand or directly connecting the charger to the socket.

Input: 100-240V, 50/60Hz, 0.2A; output: DC 9V.

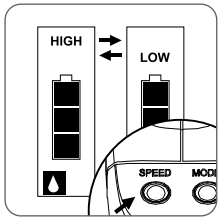


OR





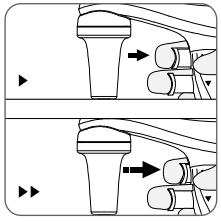
Charging process is indicated by successive lighting of "bars". Full charging time: 7 to 8 hours. The batteries are charged when all 3 "bars" are displayed simultaneously.



Speed Setting

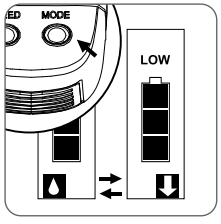
Press the SPEED button until the display shows the correct speed – HIGH or LOW.

- HIGH speed - fast aspirating recommended for pipets <5 mL
- LOW speed - slow aspirating recommended for pipets >5 mL and foaming liquids



Manual Speed Control

- Speed can be controlled manually by pressing the trigger buttons

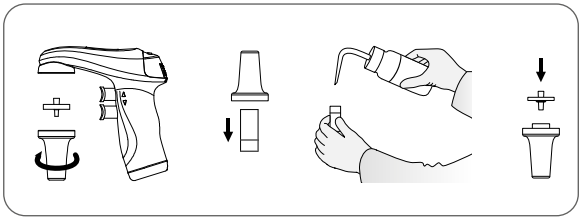


Mode Control

- Press the MODE button until the display shows the correct speed – BLOW OUT (arrow) or GRAV (drop)

NOTE: Pump is not working when in GRAV mode.

Filter Replacement



Safety Notes

⚠ WARNING! Risk of injury

CAUTION: Risk of damage to the device or errors in pipetting of liquids.

Before starting the work with the pipet controller every user should read these operating instructions carefully.

CAUTION:

- Using the device inconsistently with the operating instructions may result in damaging the device.
- The device should be serviced only at an authorized service center, otherwise the manufacturer will be relieved from any liability under the warranty.
- Only original spare parts and accessories, recommended by the manufacturer, shall be used.
- Only the original charger, supplied by the manufacturer, shall be used for charging the batteries.
- In case of incorrect functioning of the pipet controller, work shall be stopped. The device shall be cleaned and sent for repair to an authorized service center.
- In the case of mechanical damage to the casing, the device shall be immediately sent for repair to an authorized service center.
- The use of excessive force during work shall be avoided.

⚠ WARNING!

- During the work with the pipet controller general safety regulations regarding risks related with laboratory work should be observed. Protective clothing, goggles, and gloves should be worn.
- The pipet controller shall not be used for measuring substances with vapors of which damage the following plastics: PP, SI, EPDM, POM.
- The pipet controller shall not be used in an environment where explosion risk is present.
- Flammable liquids shall not be measured – in particular substances with flash-point below 0°C (ether, acetone).
- The pipet controller shall not be used for drawing acids with a concentration above 1 mol/L.
- The pipet controller shall not be used for drawing solutions with a temperature above 50°C.
- The pipet controller may work in temperature range from +10°C to +35°C.
- In the case of mechanical damage to the casing, the device shall be immediately sent for repair to an authorized service center.

Cleaning

- External parts may be cleaned with a swab moistened with isopropyl alcohol.
- The nose piece and the pipet holder may be autoclaved at 121°C for 20 minutes.
- The filter included in the set may be sterilized by autoclaving at 121°C for not more than 15 minutes.
- The outer body of the pipet controller is UV resistant, the recommended distance from the radiation source to exposed element should be not less than 50 cm. Prolonged and very intense UV exposure can cause de-coloration of pipet controller parts, without affecting its performance.

Product Disposal

According to Directive 2012/19/EU of the European Parliament and of the Council of 4 July 2012 on waste electrical and electronic equipment (WEEE), the HTL Swiftpet Pro Pipet Controller is marked with the crossed-out wheeled bin and must not be disposed of with domestic waste.

Consequently, the buyer shall follow the instructions for reuse and recycling of waste electronic and electrical equipment (WEEE) provided with the products and available at **www.corning.com/weee**.

Warranty

The Swiftpet Pro pipet controller is covered by a one (1) year limited warranty. For more information on the warranty limitations refer to the full version of the User Manuals available at **www.htl.com.pl**.

For additional product or technical information, visit **www.htl.com.pl** or contact your local sales office.

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