

# Homogenisers



## Homogeniser, hand held, Polytron® PT1300D



- General homogenisation applications (dispersion and emulsification)
- Tissue homogenisation for metabolic research
- Tumour homogenisation for disease research and biopsy results
- Fast dissolution of pills, coated tablets for quality control
- For small sized applications in the range of approx. 0.01mL to 250mL
- System provides constant speed during processing
- 24V 100W low voltage motor with safety power supply
- Excellent extraction of active pharmaceutical ingredient (API)
- Best basis for content ingredient analysis and quality control
- Cell disruption, RNA/DNA isolation from tissues
- Dispersion of small quantities of plant, animal or human tissues in most of the vessels including round or conical centrifuge tubes
- Motor speed regulation from 7000rpm up to 30,000rpm
- User interface (RS232 and USB) for PC software
- MEMO function and foil keyboard
- Fast coupling for quick change of the dispersing aggregate

Handheld homogeniser with 100 Watt motor drive system.

Control unit supplied with 24V safety current.

Integrated control system provides constant set speed even if viscosity changes during processing.

The POLYTRON® PT1300D comes with three interchangeable dispersing tools (aggregates), and allows quick and easy coupling. With digital display and memory function, it is possible to work under reproducible conditions with a hand held unit, and the intelligent electronic control system regulates the speed at the drive system and informs about any discrepancy caused by changing viscosity. Additionally, the specific speed for the application can be stored and recalled at the touch of a button. 100W/24V powerful drive system and  $\mu$ P controlled power unit. Low wear on motor, low maintenance and low noise. Variable speed 7,000rpm to 30,000rpm. Electrical supply 230V, 50/60Hz, 100W.

### Technical Specification

Speed, rpm	7,000 to 13,000
Volume, mL	0.1 - 250
Electrical supply	230V 50/60Hz 100W

Catalogue No	Legacy No	Alt. No	Description
10764233	-	9113002	PT1300D hand held homogeniser, high end

Catalogue No	Legacy No	Alt. No	Description	Diameter, mm	Volume, mL
13457639	-	ST-P01-200	Hinge stand incl. drive holder	-	-
13467639	-	ST-P15/320	Stand plate	-	-
11970439	-	PT-DA 03/2EC-E050	Dispersing tool, shaft length 50mm.	3.5	Working 0.01 to 2
11905418	-	11030006	Dispersing tool, shaft length 68/85mm	5.6	Working 0.1 to 5
10155512	-	11030021	Dispersing tool, shaft length 92/107mm	7.6	Working 0.3 to 10
10217372	-	11030041	Dispersing tool, shaft length 123/157mm	11.8	Working 2 to 250