

Disperser, T50 digital, Ultra-Turrax®



- Digital speed display
- Electronic speed control
- Electronic overload protection
- Stainless steel dispersing elements can be cleaned quickly and easily
- Smooth start
- Error code display

Powerful dispersing instrument for volumes from 0.25L to 30L (H₂O) with digital speed display. It offers a wide speed range from 500rpm to 10,000rpm that enables users to work at high circumferential speeds even with small rotor diameters. A broad choice of dispersing elements guarantees a wide range of applications. Reproducible operations due to constant speed even with changes in viscosities.

Catalogue No	Legacy No	Alt. No	Volume, L
13497629	-	T50	0.25 to 30

Accessories

Catalogue No	Legacy No	Alt. No	Description	Volume, L
10499862	-	S50N-G45G	Dispersing tool	Working 0.5 to 20
10384851	-	S50N-G45M	Dispersing tool	Working 0.5 to 15
13198423	-	S50N-G45F	Dispersing tool	Working 0.5 to 10
10508361	-	R50	High speed stirring shaft	Working 0.250 to 30
10038110	-	R1405	Propeller stirrer	Working 0.250 to 10
10483151	-	R1402	Dissolver	Working 1.0 to 30
10233031	-	R2723	Telescopic stand	-
10618972	-	RH5	Strap clamp	-
10354771	-	R271	Boss head clamp	-

Homogeniser, handheld, Polytron® PT1200E



- 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 size applications in the range of approx. 0.01mL to 250mL
- 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 up to 25,000rpm
- Fast coupling for quick change of dispersing aggregate

Technical Specification - Specific

	10795524	10489563	11955418	10217372
Shaft length, mm	80	107	82	115
Diameter, mm	5.6/3	7.8/5	7.8/5	12/9
Tip [rotor] speed [max], m/s	3.9	6.5	6.5	11.8
Volume, L	0.1 to 5	0.3 to 10	0.3 to 10	2 to 250

Catalogue No	Legacy No	Alt. No	Description
13160633	-	PT1200E	Homogeniser drive unit with power supply

Accessories

Catalogue No	Legacy No	Alt. No	Description
11970439	-	PT-DA 03/2EC-E050	Dispersing tool, shaft length 50mm.
10795524	-	11030012	Dispersing tool, 0.1mL to 5mL, 80 x 5.6mm dia.
10489563	-	11030031	Dispersing tool, 0.3mL to 10mL, 107mm x 7.8mm dia.
11955418	-	11030030	Dispersing tool, 0.3mL to 10mL, 82mm x 7.8mm dia.
10217372	-	PT-DA 1212/2 EC-E	Dispersing tool, 2mL to 250mL, 115mm x 12mm dia.
10283722	-	HS 1200E	Holder system
10319102	-	GS 15	Dispersing vessel, glass, 25mL working volume
11970349	-	GS 25	Dispersing vessel, glass, 90mL working volume



Technical Specification

Speed range, rpm	500 to 10,000
Speed display	LED
Dimensions [w x d x h], mm	342 x 102 x 355
Mass, kg	6
Electrical supply	220-240V, 50/60Hz



Handheld homogeniser with 100W motor drive system. Control unit supplied with 24V safety current.



Technical Specification - General

Electrical supply	100/240V, 50/60Hz, 100W
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