Handheld Homogenizer

D-130C

When speed & high quality meet creating power to disperse

Handheld Design – Compact and lightweight for one-handed operation. During use, the dispersing head is immersed into the sample. The motor drives the rotor to rotate at high speed, homogenizing or dispersing the sample in the gap between the stator and rotor. This process typically completes in a very short time

Features

- Brushless DC motor
- Suitable for mixing, emulsifying, dispersing and shearing
- Handheld design, compact and lightweight for one-handed operation
- Sterilizable stainless steel dispersing head
- High-performance motor ensures speed stability (0-25,000 rpm)
- Quick-release coupling for easy assembly/disassembly of dispersing head
- Dual-switch power control for safety and preventing misuse
- Includes 2m spiral extension cable between main unit and handheld homogenizer for convenient operation

Application

- General homogenization applications (dispersion and emulsification)
- Homogenising of tumour tissue sample, for research of diverse tissue diseases
- Fast dissolving of pills, sugar-coated tablets for quality control purposes
- Sample preparation for subsequent extraction of pharmaceutical agents (API)
- Cell disruption, RNA / DNA isolation from tissue
- Dispersion of small quantities from plants, animals or human tissue
- Solving of solid materials

The standard package includes: homogenizer + dispersing Shaft (Subject to the dispersing heads included in the set)

Specifications

Model	D-130C
Order No.	W3050130
Speed range with zero-load[rpm]	0~25000
Sample volume H_2O [mL]	0.2~50(H_2O)/3~250(H_2O)
Power [W]	100
The wet part for dispersing shaft	316L stainless steel and PTFE
IP code	IP30
Base dimension W×D×H[mm]	160×185×162
Handheld main unit dimension W×D×H[mm]	44×58×226

Shaft for D-130C

Model	Volume Range(mL)	Linear Speed(m/s)	Rotor Diameter(mm)	Stator Diameter(mm)	Min/Max Immersion Depth (mm)	Dispersed Particle Size(Micro)
Shaft 5E	0.2-50	4.7	3	5.5	25/75	Suspensions 10-50 Emulsions 1-10
Shaft 12E	3-250	14.1	9	12	40/110	Suspensions 10-50 Emulsions 1-10