

## Handheld Homogenizer

### Features

- Portable, lightweight with ergonomic design ideal for manual operations
- Processing volumes from 0.1-50mL or 1-250mL
- Variable speed from 8,000 to 32,000 rpm
- 316L stainless steel shafts are fully autoclavable
- Interchangeable shafts for easy dismantling and cleaning

### Applications


Designed for rapidly homogenize, emulsify, suspend and disrupt biological samples like tissue of animal, bacteria, yeast, plant samples, etc. in liquids. Ideal for samples from 0.1mL to 250mL depending on shaft chosen.



Specifications	
Speed range	8000-32000rpm
Max linear velocity	6.3、10、14 m/sec
Speed level	10 stage
Working volume [HzO]	0.1-50mL (Dispersing shaft DS-160/5)
	1-150mL (Dispersing shaft DS-160/7)
	1-250mL (Dispersing shaft DS-160/10)
Max. viscosity	5,000mPas
Material of Dispersing Shaft	SS 316L stainless steel, PTFE
Noise Level	72 dB(A)
Protection class	IP20
Voltage, Frequency	110-120V/60Hz 220-240V/50-60Hz
Power	160W
Motor Type	AC carbon brush motor
Dimension [WxDxH]	45mm x 55mm x 190mm
Weight	0.54 kg
Permissible ambient temperature and humidity	0-40°C, 85%RH


**Cat. No.18900543**

Volume 0.1-50mL  
Max. Circum. Speed 6.3m/sec  
Material: 316L stainless steel  
Application: small amounts of solid liquid mixed  
Function: dispersing tool for solid/liquid media



**DS-160/7 Cat. No.18900815**

Volume 1-150mL  
Max. Circum. Speed 10m/sec  
Material: 316L stainless steel  
Application: small amounts of solid liquid mixed  
Function: dispersing tool for solid/liquid media



**DS-160/10 Cat. No.18900544**

Volume 1-250mL  
Max. Circum. Speed 14m/sec  
Material: 316L stainless steel  
Application: small amounts of solid liquid mixed  
Function: dispersing tool for solid/liquid media

