

# D-160

## 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	D-160
Speed range	8000-32000rpm
Max linear velocity	6.3、10、14 m/sec
Speed level	10 stage
Working volume [H <sub>2</sub> O]	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

### DS-160/5 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

