

# 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	6.3m/sec or 14m/sec
Speed level	10 stage
Working volume [H <sub>2</sub> O]	0.1–50mL (Dispersing shaft DS–160/5)
	1–250mL (Dispersing shaft DS–160/10)
Max. viscosity	5,000mPas
Material of Dispersing Shaft	SS 316L stainless steel, PTFE
Noise	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



## D-160

Handheld Homogenizer

**D-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-160/10**

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