

# HAND HELD HOMOGENIZER

## ALS-INS015



## DESCRIPTION

The ALS-INS015 Hand Held Homogenizer is a versatile laboratory device designed for the efficient homogenization of diverse sample types, including tissue, plant material, food, and soil. This compact, ergonomically designed homogenizer is optimized for single-hand operation, making it suitable for applications requiring precise and controlled sample processing.

## KEY FEATURES

- **Compact and Lightweight:** Designed for easy, one hand operation, allowing users to work comfortably and efficiently in limited spaces.
- **Adjustable Speed Control:** Equipped with a digital speed display and adjustable settings for precise control to prevent sample splashing.
- **Versatile Application:** Ideal for the homogenization and dispersion of small sample volumes in compact containers, making it adaptable to various laboratory needs.
- **Durable Dispersing Head:** Made of high-quality stainless steel, the dispersing head resists corrosion, withstands high temperatures, and can be disinfected, ensuring longevity and reliability.
- **Easy Maintenance:** The dispersing head is easily detachable, facilitating quick and thorough cleaning after each use.
- **Powerful Motor:** Features a high-speed, high-efficiency motor designed for extended use, ensuring consistent performance and long life.
- **Optional Accessories:** Available with an adjustable Hype stand, offering adjustable height and angle for convenient storage and operation.

### TECHNICAL SPECIFICATIONS

|                           |                                 |
|---------------------------|---------------------------------|
| <b>Model</b>              | <b>ALS-INS015HH</b>             |
| <b>Speed Range</b>        | 8Krpm ~32Krpm (1Krpm Increment) |
| <b>Rotor Line Speed</b>   | 6.3m/sec ~ 14m/sec              |
| <b>Working Noise</b>      | 72dB                            |
| <b>Voltage</b>            | AC 220V, 50Hz                   |
| <b>Power Input/Output</b> | 160W / 110W                     |
| <b>Dimension (WxDxH)</b>  | 46 × 55 × 230 mm                |

### SPEED RANGE ADJUSTMENT

| <b>Speed Gear</b> | <b>Speed Range</b> |
|-------------------|--------------------|
| 1-2               | 8000-14000 r/min   |
| 3-4               | 15000-19000 r/min  |
| 5-6               | 20000-23000 r/min  |
| 7-8               | 24000-28000 r/min  |
| 9-10              | 29000-32000 r/min  |

### ACCESSORIES

| <b>Cat #</b>       | <b>Handling Capacity</b> | <b>Dia. of Outer Head</b> | <b>Min/Max Dipping Depth</b> | <b>Material</b> |
|--------------------|--------------------------|---------------------------|------------------------------|-----------------|
| <b>ALS-INS015A</b> | 0.5 - 50ml               | 5 mm                      | 20-90 mm                     | Stainless steel |
| <b>ALS-INS015B</b> | 1 - 100ml                | 7 mm                      | 20-107 mm                    | Stainless steel |
| <b>ALS-INS015C</b> | 1 - 250 ml               | 10 mm                     | 20-110 mm                    | Stainless steel |