

avans AHM1 Hand-held Homogenizer

Avans new hand-held homogenizer, the AHM-1, is designed to rapidly homogenize, disperse, emulsify, suspend, and disrupt samples from 0.5ml to 250ml. During operation, the sample in liquid is drawn into the generator probe by a rotor turning at up to 35,000rpm. The material is repeatedly cycled through narrow slits in the probe where it is rapidly sheared and disintegrated by high shear. Complete homogenization of tissues (muscle, liver, breast tissue, etc.) is usually achieved in 10~30 seconds.

Features :

- Ideal for use with microtubes
- Practical answer for small samples
- Easy to hold and light weight for one hand operation
- All the generator probes are made of 316L stainless steel and can be sterilized by autoclaving.
- High speed motor with long lifetime.



Specifications :

Speed range	8,000-35,000rpm(digital display in thousands)
Treatable volume	0.5 - 250ml
Noise emission	< 72 dB(A) at 35,000 rpm
Dimensions	46 x 55 x 230mm(LxWxH)
Weight	0.7kg
Electrical	230V, 50Hz
Operating Environment	5°C ~ 40°C

Optional Generator Probes :

Item	AHM1-6	AHM1-8	AHM1-10
diameter	6mm, flat bottom	8mm, flat bottom	10mm flat bottom
length	150mm	167mm	180mm
capacity	0.5~50ml	1~100ml	1-250ml
min./max. immerse length	20/90mm	20/107mm	20/120mm

Optional Stand :

dimension	300 x 230 x 360mm
diameter of support rod	10mm
weight	1.2kg