



Ergonomic, "Slim-line" handle design

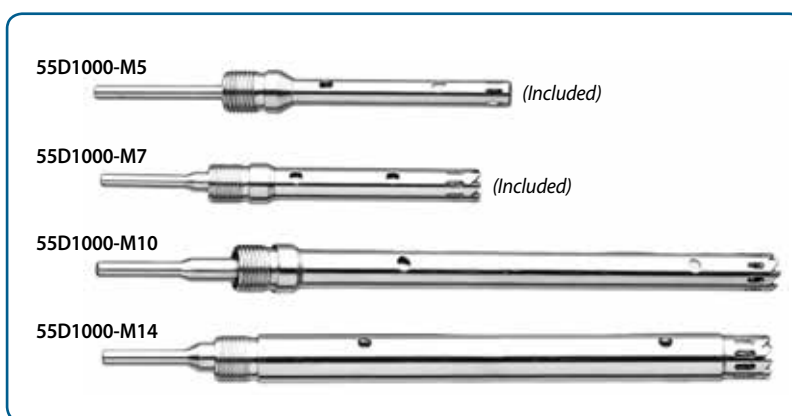
- + Quickly homogenizes samples (in under 30 seconds)
- + For volumes 100 µl to 250 ml
- + Supplied with two generator probes (5 mm and 7 mm)

Benchmark's new handheld homogenizer, the D1000, is designed to rapidly homogenize, emulsify, suspend and disrupt biological samples. Ideal for use with microtubes, the homogenizer works well with samples from 0.1 ml to 250 ml (depending upon the generator probe used).

The D1000 is a rotor stator homogenizer which works by drawing the sample, in liquid, into the generator probe with the variable speed rotor, and then forcing it out through the slots in the stator. This achieves mechanical shearing of the sample. As the sample is repeatedly drawn up and forced through the stator, additional shearing takes place.

A powerful, 130W motor drives the rotor at speeds from 8,500 to 30,000 rpm. Speed is adjustable in six steps to meet sample processing needs. A separate on/off switch allows the homogenizer to be left at the appropriate setting.

Generator probes are available in four sizes. The 5 mm and 7 mm diameter have a 50 mm length for use with samples in microbtubes. The 10 mm x 115 mm is ideal for use with 15 and 50 ml tubes and 14 mm x 130 mm, for 50 ml tubes and vessels up to 250 ml. The unit is supplied with one each of the 5 mm and 7 mm generator probes. All the generator probes are made of stainless steel and can be sterilized by autoclaving.



## Technical Data:

Speed Range:	<b>8,500 to 30,000 rpm</b>
Capacity:	<b>0.1 to 250 ml</b>
Noise Level:	<b>&lt;70 db</b>
Dimensions: (W x D x H): (without probe)	<b>4.5 x 5.8 x 22.5 cm</b>
Weight:	<b>0.6 kg</b>
Electrical:	<b>230V, 50-60Hz, 130W</b>
Warranty:	<b>2 Years</b>

## Ordering Information:

Item No.	Description:
55D1000-E	D1000 Hand-Held Homogenizer Includes one 5 mm (flat-bottom) generator probe and one 7 mm (saw tooth) generator probe
<u>Optional generator probes:</u>	
55D1000-M10	10 mm x 115 mm saw tooth, for 15 and 50 ml tubes
55D1000-M14	14 mm x 130 mm saw tooth, for 50 ml - 250 ml vessels
55D1000-M5	5 x 50 mm for microtubes, 5 pk.
55D1000-M7	7 x 50 mm for microtubes, 5pk.
55D1000-ST	Stand for D1000 Homogenizer