

Гомогенизаторы НОА-600 6 автоматизированные, цифровые ручные НО-600, НО-400, гомогенизаторы тканей, зонды, ультразвуковые процессоры 500-Watt, 750-Watt, 130-Watt

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HO-600 Digital Handheld Tissue Homogenizer

- Integrated digital speed display ensures consistent results; accurate to $\pm 0.5\%$
- On-board memory stores last set speed
- 40-watt motor maintains speed throughout the cycle, regardless of fluctuations in sample size or viscosity
- Use as a handheld unit or mount to a stand for longer operation time
- Bayonet probe mounting system features fast release





HO-600 Digital Handheld Tissue Homogenizer

The digital handheld tissue homogenizer offers reliable, repeatable performance with an ultra-quiet 40 watt brushless motor. An integrated digital speed control ensures consistent results for a variety of laboratory applications and stores the last set speed for easy repeatability. The unit allows you to process tissue samples from <200µL to 120ml in less than 30 seconds.

The homogenizer can operate efficiently with both plastic and stainless-steel probes (sold separately). Stainless steel generator probes (5 mm to 10 mm diameter) are available for larger and tougher sample types. They come with PTFE upper and lower bearings.

Ideal for tissue homogenization, emulsions and suspensions, cell disruption, protein extraction, and medical research. Lightweight enough to be hand-held or stand mounted for lengthier processing.

Specifications

Model no.	HO-600
Capacity (ml)	120
Max Speed (rpm)	32000
Min Speed (rpm)	8000
Wattage (Input)	40
Height (in)	7 51/64
Height(cm)	19.7
Power fl/AC)	100 to 240
Description	Digital Handheld Tissue Homogenizer
Warranty	3 years

Ordering Information

Description	Item no.	Series no.	Model no.	Legacy SKU
Laboratory homogenizer, 110-240 VAC, US plug	78904-71	HO-600		

HO-600 Digital Handheld Tissue Homogenizer

Accessories

Description	Item no.
Stainless steel probe, flat bottom, 75 x 5 mm	78904-75
Stainless steel probe, saw-tooth, 7 x 110 mm	78904-76
Stainless steel probe, saw-tooth, 10 x 110 mm	78904-77
Homogenizer stand with support rod	04727-89



Cole-Parmer®

HO-400 Series Laboratory Homogenizer

- Powerful 850-watt motor processes samples up to 5 L
- Digital programmable speed and time controls for better repeatability
- Use as a handheld unit or post-mount to optional stand for hands-free operation
- Accepts either stainless steel rotor-stator generators or disposable plastic probes
- 3-year warranty





HO-400 Series Laboratory Homogenizer

With an 850 watt motor, the HO-400 homogenizer is not only powerful but provides maximum versatility being able to process virtually any sample, from tissue homogenization, cell disruption, emulsions, suspensions to protein extraction. Digital control ensures accuracy and repeatability; selected speeds are accurate to ± 100 rpm. The digital control system also incorporates a timer which can be set from seconds to minutes and features a 30 second countdown timer, ideal for remote applications in fume hoods or biosafety cabinets.

The HO-400 can either be handheld for quick processes or securely stand mounted with a direct connection to the stand. Soft start also ensures smooth processing without splashing.

The HO-400 homogenizer accommodates a selection of stainless steel probes for larger samples, and also our disposable polycarbonate probes for when cross-contamination is of concern. If necessary disposable probes can be easily dismantled and autoclaved up to seven times.

Unit includes clamp, cross rod, and a tool kit for dismantling the rotor stator generator probes for easy cleaning. Order probes and stand separately.

Specifications

Model no.	HO-400
Motor	850 watt
Control	Digital
Timer	1 s -10 min with 30 s start delay
Speed control	5,000 to 25,000 rpm
Processing range	0.2 to 5000 ml
Sound level	72 dB
Item weight	1.6 kg (3.5 lb)
Dimensions (L x O)	21.6 x 7.0 cm (8.5 x 2.8 in)
Warranty	3 years

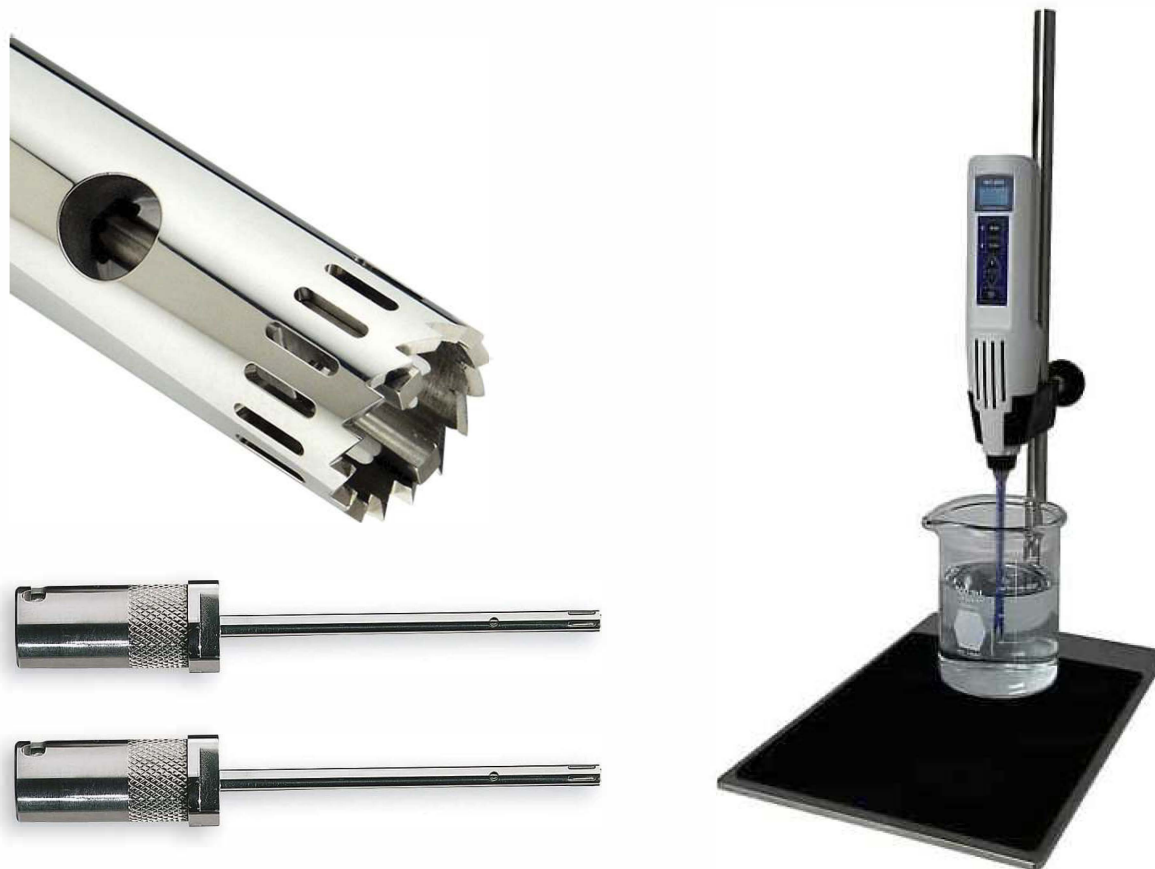
Ordering Information

Description	Item no.	Series no.	Model no.	Legacy SKU
Laboratory homogenizer, 110 VAC, 60 Hz, US plug	04727-28	H0-400	H0-400D-110	SHM3
Laboratory homogenizer, 220 VAC, 50 Hz, UK & Euro plug	04727-29	H0-400	H0-400D	SHM3

HO-400 Series Laboratory Homogenizer

Accessories

Description	Item no.
Stainless steel probe, flat bottom, 75 x 5 mm	04727-60
Stainless steel probe, flat bottom, 75 x 5 mm, coarse	04727-62
Stainless steel probe, flat bottom, 195 x 30 mm	04727-33
Stainless steel probe, flat bottom, 195 x 30 mm, coarse	04727-35
Stainless steel probe, saw tooth, 115 x 7 mm	04727-37
Stainless steel probe, saw tooth, 115 x 7 mm, coarse	04727-39
Stainless steel probe, saw tooth, 115 x 10 mm	04727-41
Stainless steel probe, saw tooth, 115 x 10 mm, coarse	04727-43
Stainless steel probe, saw tooth, 195 x 20 mm	04727-45
Stainless steel probe, saw tooth, 195 x 20 mm, coarse	04727-46
Plastic tip probe, 110 x 7 mm, hard tissue; 25/pk	04727-84
Plastic tip probe, 110 x 7 mm, hard tissue; 50/pk	04727-85
Plastic tip probe, 110 x 7 mm, soft tissue; 25/pk	04727-86
Plastic tip probe, 110 x 7 mm, soft tissue; 50/pk	04727-87
Plastic tip probe, sterile, 110 x 7 mm; 25/pk	78904-80
Hybrid stainless steel/plastic probe, 110 x 7 mm	78904-78
Replacement shaft for hybrid probe 78904-78	78904-79
Stand assembly with support rod	04727-89



Cole-Parmer®

Cole-Parmer® Ultrasonic Processors

Microprocessor-based programming with digital accuracy and repeatability ensures adherence to the most exacting protocol

- Automatic tuning and frequency control eliminate the need for constant adjustment of the power supply
- Independent on/off pulser ensures thorough mixing and safe treatment of temperature-sensitive samples at high intensity; controls on/off cycles from 1 to 59 seconds
- Real-time display provides a window on the process-no more assumptions or approximations!
- All parameters are continuously displayed on the screen, providing operating mode confirmation without process interruption
- User-friendly menu-driven prompts provide intuitive guidance through all functions



Cole-Parmer®

130-Watt Ultrasonic Processors

- Ideal for low-volume applications-from 150 μL to 150 ml
- Built-in probe rests help keep everything close at hand
- Models 04714-52 and -53 feature a pulse button conveniently placed right on the handpiece
- Models 04714-50 and -51 feature a 10-hour timer and independent on/off pulser

Applications

- Sample preparation
- Cell lysing
- Disaggregation
- Homogenization
- Particle size reduction
- Soil testing
- Acceleration of chemical reactions



Cole-Parmer®

500-Watt Ultrasonic Processor

- Designed with the smallest footprint in their class, this compact unit fits on any laboratory's existing bench space
- Process batch samples as small as 250 μL or as large as 1000 ml
- Timer controls processing from 1 second up to 10 hours and monitors both the elapsed time and duration of processing



500- and 750-Watt Ultrasonic Processors with Temperature Controller and Memory

- Offer the same great features as above, plus ...
- Integrated temperature controller prevents harmful sample overheating by terminating the ultrasonics when the sample temperature reaches a predetermined limit (set from 1 to 100 °C); order temperature probe separately
- Time-saving memory stores up to ten procedures to facilitate protocol duplication, automate repetitive tasks, and eliminate user-to-user method variability for consistent reproducibility



Performance Specifications & Ordering Information

- Variable power output control allows the ultrasonic vibrations at the probe tip to be set to any desired amplitude with on-screen display of output level
- Timer controls the processing time from 1 second to 10 hours

Description	Sample volume	Dimension (W x H x D)	Power (50/60 Hz)	Item number
130-watt processor with pulser button	150 µL to 150 mL	9¾" x 3½" x 12½" (248 x 89 x 318 mm)	115 VAC	04714-52
			220 VAC	04714-53
130-watt processor with timer and independent pulser			115 VAC	04714-50
			220 VAC	04714-51
500-watt processor with timer	250 µL to 1000 mL	7½" x 8½" x 13½" (191 x 216 x 343 mm)	115 VAC	04711-70
			220 VAC	04711-75
500-watt processor with timer, temperature controller, and memory			115 VAC	04711-30
			220 VAC	04711-35
750-watt processor with timer, temperature controller, and memory	250 µL to 1000 mL	7½" x 8½" x 13½" (191 x 216 x 343 mm)	115 VAC	04711-40
			220 VAC	04711-45

What's included:

probe with tip, converter, tool kit, and 6-ft power cord.

Accessories

04711-50 Stainless steel temperature probe for models 04711-30, -35, -40, -45. CSA-approved.

04712-92 Stand for all models; 24"H x ½" dia (610 x 13 mm) stainless steel rod and 9"L x 5½"W (229 x 140 mm) cast-iron base (229 x 140 mm).

04714-90 Converter clamp for 130-watt models. Secures converter onto a ½" (13 mm) dia rod.

04714-91 Converter clamp for 500- and 750-watt models. Secures converter onto a ½" (13 mm) dia rod.

04712-05 Foot switch for all models. Provides hands-free operation; with 6-ft (1.8-m) cable. CE-marked.



Cole-Parmer HOA-600 6 Sample Automated Homogenizer Package



Cole-Parmer – Item # EW-78904-72

No ReviewsWrite the First Review

Homogenize up to six samples simultaneously

- Process 250 µl to 30 mL sample volumes in tubes ranging from 1.5 to 50 mL
- Variable time up to 10 minutes
- Variable speed from 500 to 30,000 rpm
- 3 year warranty

Specifications & Description

- Min Sample Size (mL)0.25
- Max Sample Size (mL)30
- Max Speed (rpm)30000
- Min Speed (rpm)500
- Wattage (Out put)150
- Height (in)11 51/64
- Width (in)15 45/64
- Depth (in)7 51/64
- Height (cm)33
- Width (cm)40
- Depth (cm)20
- DescriptionSample Automated Homogenizer Package
- Warranty3 Years



MORE ABOUT THIS ITEM

The HOA-600 6 benchtop sample automated homogenizer allows you to simultaneously homogenize up to six samples in a single process in 1.5 to 50 mL sample tubes. Microprocessor control allows you to program both time and speed for processing up to 10 minutes at variable speeds up to 30,000 rpm. The oscillating motion of the unit ensures the generator probes are transitioned through the entire tube volume for complete homogenization of the sample. Compatible with 5, 7, 10 mm stainless steel generator probes and 7 mm plastic tips.

The 150-watt brushless motor is virtually maintenance free and ultra quiet during operation. The motor holds processing speed to $\pm 1\%$ to ensure reproducibility and accuracy across all samples regardless of fluctuations in sample size and viscosity.

Cole-Parmer Tissue Homogenizer with EU Plug; 220V



Cole-Parmer – Item # EW-04727-02

Lightweight and powerful motor ideal for small samples

- Variable-speed motor performs up to 30,000 rpm
- Ergonomically designed to reduce hand strain
- 3 year warranty

Specifications & Description

- | | | |
|---|----------------------|-------|
| • | Min Sample Size (mL) | 0.05 |
| • | Max Sample Size (mL) | 100 |
| • | Max Speed (rpm) | 30000 |
| • | Min Speed (rpm) | 5000 |

- | | | |
|---|-------------------|---------------------------------------|
| • | Wattage (Out put) | 125 |
| • | Power (VAC) | 220 |
| • | Power (Hz) | 50 |
| • | Description | Tissue Homogenizer with EU Plug; 220V |
| • | Warranty | 3 Years |



MORE ABOUT THIS ITEM

The Cole-Parmer HO-200 series homogenizers are well-suited for a wide range of processing applications —use as a handheld unit or post-mount to the optional stand for hands-free operation. Use these homogenizers with either the stainless steel rotor-stator generators or the plastic tip probes (tip adapter 04727-88 required). Order components separately.

These homogenizers process a wide range of samples from 0.05 mL to 100 mL. They are ergonomically designed to reduce hand strain during extended periods of handheld operation.

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