

Cole-Parmer® Digital Batch Mixer



Ideal for **Lab** or **Industrial** use

Tackle volumes up to 55 gallons (200 L)

- Resistive touch-screen control—use a gloved hand or pencil tip
- Two-speed transmission provides smooth, quiet operation
- Through shaft offers flexibility of easy impeller positioning and range of vessel sizes
- PC/PLC connectivity helps you automate your process
- Automatic data logging eliminates manual data recording and errors

Designed for both large-scale laboratory applications and small-scale industrial use, this digital batch mixer is the first of its kind. Laboratory workers will save time with the efficiency of using one mixer equipped with both the control of a lab mixer and the power of a batch mixer. Industrial users will appreciate the ability to select time and speed, and view parameters in real time with the digital touch-screen display.

This portable batch mixer delivers enough power to mix up to 55 gallons (200 L) and viscosity up to 180,000 cps. An enclosed fan-cooled brushless DC motor maintains a constant power transfer to the shaft at speeds up to 1500 rpm. The RS-232 and USB interfaces record date, time, speed, and torque data. Other functions include alarms, timers, torque zero, torque min/max setting, and clockwise and counterclockwise rotation.

Safety features include a shaft/chuck guard, chemical-resistant housing, and overload, overheat and vibration protection. A safety screen protects the display from splashes.

Applications

- Chemical
- Mining
- Cosmetics
- Wastewater
- Biopharma
- Paint / Ink

Specifications

Speed: 50 to 1500 rpm

Max volume: 55 gal (200 L)

Max torque: 4248 in-oz (3000 N-cm)

Connectivity ports: USB, DB9, isolated analog 4 to 20 mA

Rotation direction: clockwise and counterclockwise

Ambient temperature operation: 41 to 104°F (5 to 40°C)

Power: 120 VAC, 60 Hz

What's included: chuck (accepts up to 5/8" dia shafts), chuck key, shaft guard, installed screen protector, memory stick, mounting bolts, and power cord.



Description	Catalog number
Cole-Parmer digital batch mixer	ML-50009-00

[ML-50019-94](#) Stainless steel plate mount

[ML-50019-96](#) Stainless steel multiposition C-clamp set

[ML-50019-97](#) Replacement stainless steel chuck with key, 16-mm shaft diameter

[ML-50019-98](#) Replacement chuck shaft guard

[ML-50019-99](#) Replacement stainless steel chuck key

[ML-04600-23](#) Portable mixer lift stand, 39-57" Height



4411.1

 Cole-Parmer®

In the US

625 E. Bunker Court
Vernon Hills, IL 60061
Call toll-free: 1-800-323-4340
Phone: 1-847-549-7600
Fax: 1-847-247-2929
www.coleparmer.com

In Canada

Call toll-free: 1-800-363-5900
www.coleparmer.ca

In China

Call: +86-21-5109-9909
www.coleparmer.com.cn

In Germany

Call: +49 (0) 9377 9203-0
www.coleparmer.com

In India

Toll-free: 1-800-266-1244
www.coleparmer.in

In the United Kingdom

Free phone: 020-8574-7543
www.coleparmer.co.uk

International customers

Call: 1-847-549-7600 to reach our International Sales Department.

