

Caframo® LabSolutions

1850 Ultra Torque

Power to mix high viscous/high volume batches in lab or pilot plant applications. Caframo's Ultra Torque offers the greatest torque capabilities available in a bench top stirrer.

The unique two speed transmission transfers the motor's power to the chuck with 95% efficiency. Rugged construction including a brushless DC motor, TENV metal housing and clear chemical resistant chuck guard make the Ultra Torque the perfect match for the toughest environments.

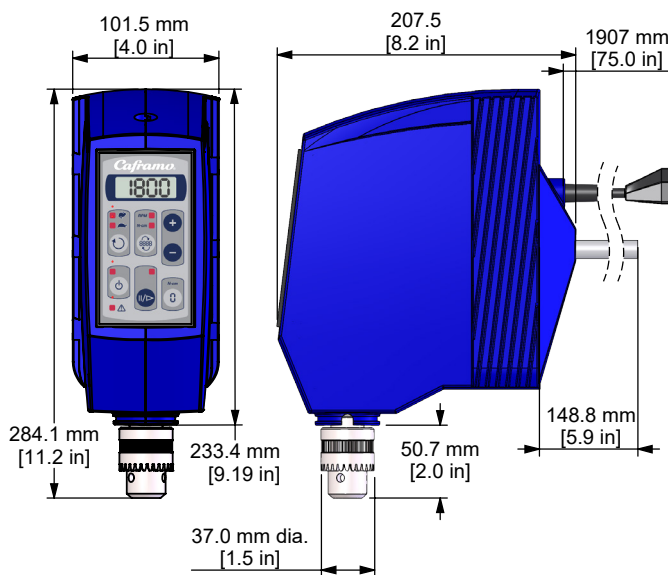
Key Specifications:

- Speed Range rpm • 12 - 1800 rpm
- Max Torque • 568 Ncm
- Max Viscosity • 90,000 cP
- Output Power • 1/5 hp, 150 watts
- Max Volume • 80 litres



Powerful
Durable
Maintenance Free

1850 Ultra Torque



Additional Specifications:

Input Power	120 volts, 60 Hz or 220-240 volts, 50/60 Hz
Motor	Brushless DC
Weight	5 kg
Display	Digital display, keypad
Mounting	12.5 mm dia support rod
Impeller Adjustment	Through shaft
Impeller Attachment	Keyed chuck, accepts shafts up to 10 mm dia
Includes	Calibration certificate, chuck, chuck guard, chuck key, support rod and power cord
Approvals	Tested to UL61010 standards See manual for details
Warranty	Three years

Features and Benefits:

Zero Torque Feature

- Ability to track viscosity changes
- Digital torque display, Ncm
- Simple operation and reset

Brushless DC Motor

- Continuous operation
- Quiet
- Maintenance free

Durable

- Totally enclosed, non-ventilated (TENV) rugged housing
- Cleanable
- Built to last

Applications:

- Personal care formulation
- Media prep
- Polymers and epoxies
- Paints and coatings
- Mining hydrometallurgy

The Power you want!



Address
654 Petrolia Road,
Toronto, ON M3J 2W3

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Toll Free: (800) 387 3570
Fax: (416) 736-9346
E-mail: info@betatekinc.com



Caframo[®] LabSolutions

250 Petite Digital

The ultimate in compact design, the Petite Digital fits into small spaces and transports easily between labs or classrooms. Use in education labs, formulation, R&D, clinical research, and anywhere a magnetic stirrer is used and more.

Built in Canada with superior quality components, including a brushless DC motor, digital display and intuitive keypad guarantees a long, maintenance free life.

The Petite Digital comes complete including a stand, integral clamp, power cord, and both radial and axial impellers. The power offered by this small, full featured overhead stirrer surpasses anything you have ever seen in a stirrer this size.

Key Specifications:

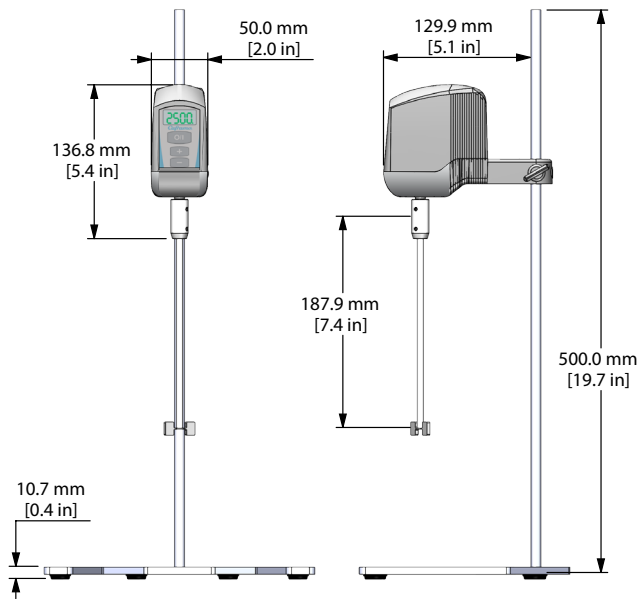
Speed Range	• 50-2500 rpm
Max Torque	• 10 Ncm
Max Viscosity	• Water-like
Output Power	• 7 watts, 1/50 hp
Max Volume	• 2 litres

The Perfect Package

Ultra-Compact
Powerful



250 Petite Digital



Features and Benefits:

Ultra-Compact Footprint

- Fits in very small workspaces
- Weighs less than 0.5 kg
- Portable

Complete Package

- Axial and radial impellers and stand included
- Secure support from integral clamp
- Stainless steel collet with 6 mm opening

Quality First

- Molded nylon housing
- Brushless DC motor
- Stainless steel impellers

Applications:

- Academic classroom labs
- Mining hydrometallurgy
- Small volume raw material QC
- Heat transfer in water baths
- Solids suspension and slurries

Additional Specifications:

Input Power	100-240 volts; 50/60 Hz
Motor	Brushless DC
Weight	1.47 kg (total package) 0.37 kg (stirrer only)
Display	Digital display, keypad
Mounting	Integral clamp fits rods up to 16 mm dia
Impeller Attachment	Collet, stainless steel, accepts 6 mm dia shafts
Includes	Stirrer, stand, integral clamp, power cord, axial and radial impeller
Approvals	Tested to UL61010 standards See manual for details
Warranty	Three Years

The ultimate in compact design!



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2002 Compact Digital

The 2002 maximizes productivity fitting into any area of the laboratory including a fume hood or enclosed workstation, giving accurate, repeatable results. The unique push button Stirlight™ allows solutions to be seen clearly. Like other Caframo stirrers, the CompactDigital™ is powered by a brushless DC motor to stir larger batches longer at higher speeds. The belt driven transmission is smooth and quiet offering high power efficiency. The four button touch control (power on/off, speed increase, speed decrease, light on/off) is easy to use.

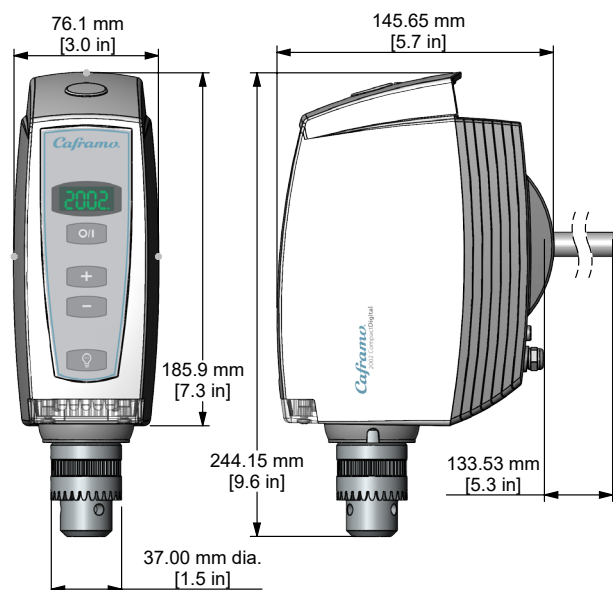
Key Specifications:

Speed Range	• 40 - 2002 rpm
Max Torque	• 70 Ncm
Max Viscosity	• 15,000 cP
Output Power	• 1/18 hp, 40 watts
Max Volume	• 25 litres



Easy to Use
Compact
Precise

2002 Compact



Additional Specifications:

Input Power	100-240 volts; 50/60 Hz
IP Rating	42, Splash proof
Motor	Brushless DC
Weight	3.5 kg
Display	Digital display, keypad
Mounting	12.5 dia x 152.4 mm support rod
Impeller Attachment	Keyed chuck, accepts shafts up to 10 mm dia
Includes	Stirrer, chuck, chuck key, support rod, external power supply and grounded power cord
Approvals	Tested to UL61010 standards See manual for details
Warranty	Three years

Features and Benefits:

Stirlight

- Observe stirring to view setting patterns
- Monitor mixing progress
- Illuminates vessels in dark zones

Through Shaft

- Easy impeller adjustments
- Less downtime due to impeller changes
- Expedites sample processing

Sealed Housing

- Keep liquids and moisture out
- Good for aggressive environments
- Wash down friendly

Applications:

- Personal care formulation
- Education classrooms
- Mining hydrometallurgy
- Chemical reactions and synthesis
- Polymers

Light up
the
lab!



Polymer solution formulation



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2010 Reversing Digital

Caframo has a history of great innovation in overhead stirrers. The 2010 ReversingDigital™ is no exception, delivering 25% more power than the 2002 CompactDigital™ while keeping the same compact footprint, Stirlight™, and through shaft.

Work with smart, complete mixing control using the 2010 ReversingDigital™. Change the stirring direction with the touch of a button or use the xRx mode to continuously reverse from clockwise to counter clockwise for a set length of time. The countdown timer times a stirring activity and beeps when completed.

Key Specifications:

Speed Range	• 40 - 2010 rpm
Max Torque	• 90 Ncm
Max Viscosity	• 20,000 cP
Output Power	• 1/15 hp, 50 watts
Max Volume	• 25 litres

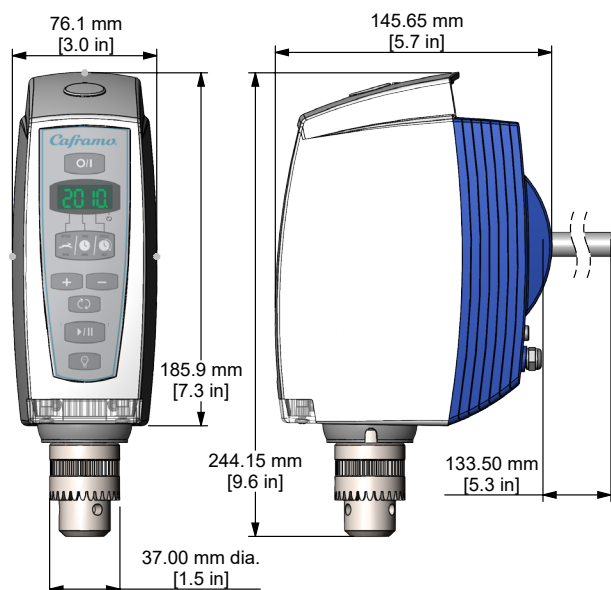
Countdown Timer

Repeatable

Reversing



2010 Reversing



Additional Specifications:

Input Power	100-240 volts; 50/60 Hz
IP Rating	42, Splash proof
Motor	Brushless DC
Weight	3.6 kg
Display	Digital display, keypad
Mounting	12.7 dia x 152.4 mm support rod
Impeller Attachment	Keyed chuck, accepts shafts up to 10 mm dia
Includes	Stirrer, chuck, chuck key, support rod, external power supply and grounded power cord
Approvals	Tested to UL61010 standards See manual for details
Warranty	Three years

Features and Benefits:

Reversing

- Mix in a clockwise or counter-clockwise direction
- Gain different mixing with the same impellers
- Reduce vortex / air intake while mixing

Countdown Timer

- Repeatable, accurate results
- Stirring stops when time is complete
- Control using timer

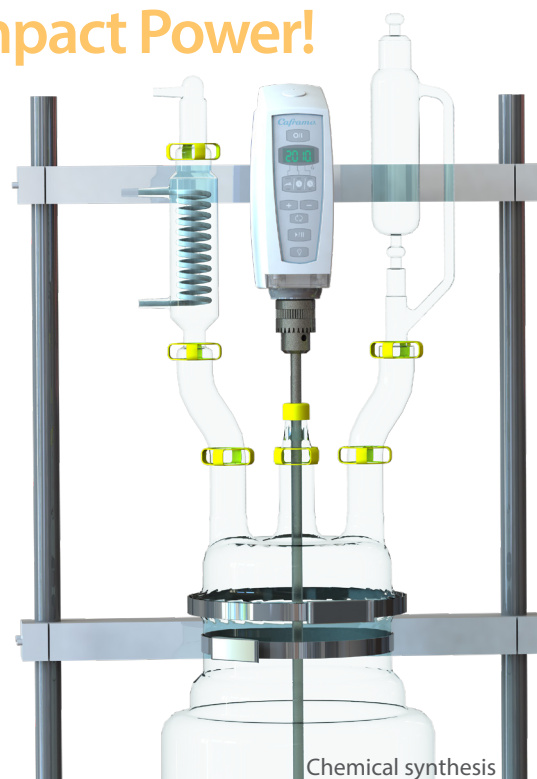
Stirlight

- Observe settling patterns of mixtures
- Monitor mixing properties of batches
- Provides extra light in fumehoods/enclosed spaces

Applications:

- Chemical reactions and synthesis
- Raw material QC
- Food sample preparation
- Polymer formulations
- Personal care formulation

Compact Power!



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Caframo® LabSolutions

3030 Universal

Accommodate changing application needs with power and control. Caframo's Universal delivers significant torque and speed capabilities. A great fit for viscous mixing at higher speeds.

High performance brushless DC motor provides maintenance free operation. Track a change in viscosity throughout the mixing process with the unique torque zero feature. The Universal offers versatile features for success in a range of applications.

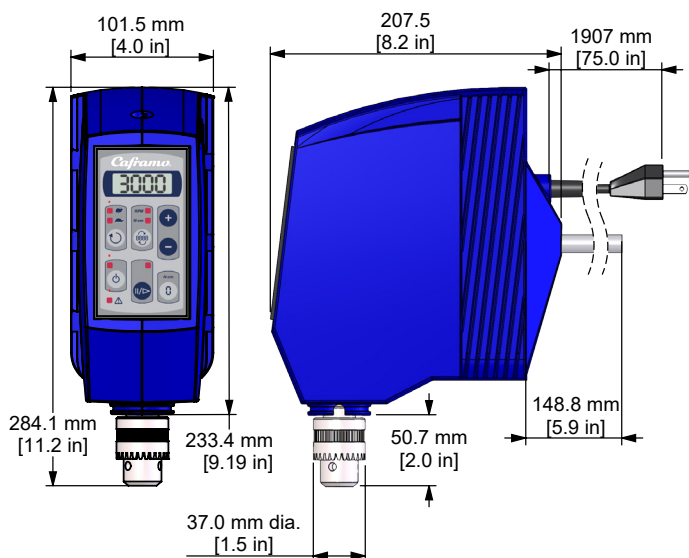
Key Specifications:

Speed Range	• 20 - 3000 rpm
Max Torque	• 341 Ncm
Max Viscosity	• 50,000 cP
Output Power	• 1/5 hp, 150 watts
Max Volume	• 60 litres



Versatile
Efficient
Unbeatable Quality

3030 Universal



Additional Specifications:

Input Power	120 volts, 60 Hz or 220-240 volts, 50/60 Hz
Motor	Brushless DC
Weight	5 kg
Display	Digital display, keypad
Mounting	12.5 mm dia support rod
Impeller Adjustment	Through shaft
Impeller Attachment	Keyed chuck, accepts shafts up to 10 mm dia
Includes	Calibration certificate, chuck, chuck guard, chuck key, support rod and power cord
Approvals	Tested to UL61010 standards See manual for details
Warranty	Three years

Features and Benefits:

2-Speed Transmission

- Smart automatic transmission selects high-torque or high-speed range
- Maintenance free
- Quiet, dependable

Digital Display

- Toggle between both speed and torque values
- Precise speed settings
- Accurate repeatability

Versatile

- Wide speed range
- Adjustable chuck
- Through shaft

Applications:

- Personal care formulation
- Paints and coatings
- Raw material QC
- Pharmaceutical products
- Polymers and epoxies

Mix
Personal
Care
Beautifully!



Cosmetic lotion emulsions



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Caframo® LabSolutions

6015 Ultra Speed

Create accurate repeatable results through high speed mixing and precision with Caframo's Ultra Speed. Maintain consistent set speeds up to 6000 rpm under changing viscosities with digital display and control.

Depend on the quiet, high efficiency brushless DC motor. Benefit from the Ultra Speed's built in safety features including a clear chemical resistant chuck guard and overload protection.

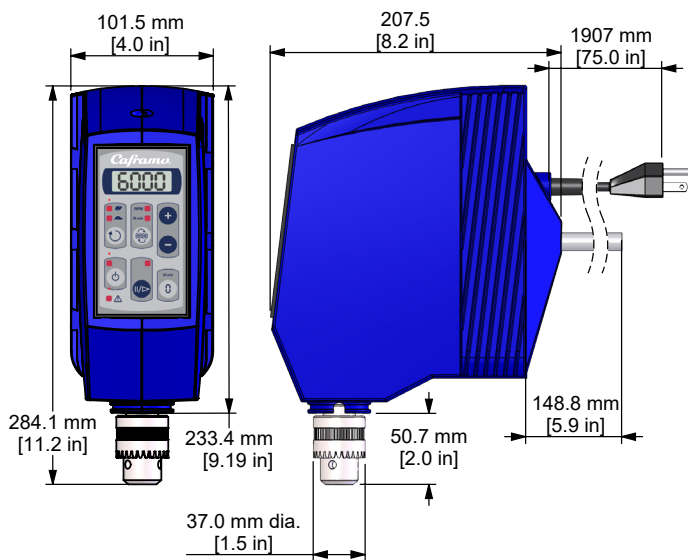
Key Specifications:

Speed Range	• 40 - 6000 rpm
Max Torque	• 170 Ncm
Max Viscosity	• 20,000 cP
Output Power	• 1/5 hp, 150 watts
Max Volume	• 25 litres

Accurate
Dependable
High Speed Precision



6015 Ultra Speed



Additional Specifications:

Input Power	120 volts, 60 Hz or 220-240 volts, 50/60 Hz
Motor	Brushless DC
Weight	5 kg
Display	Digital display, keypad
Mounting	12.5 mm dia support rod
Impeller Adjustment	Through shaft
Impeller Attachment	Keyed chuck, accepts shafts up to 10 mm dia
Includes	Calibration certificate, chuck, chuck guard, chuck key, support rod and power cord
Approvals	Tested to UL61010 standards See manual for details
Warranty	Three years

Features and Benefits:

Digital Control

- Digital display of rpm and torque
- User friendly keypad allows precise speed adjustment
- Maintains set speed as solution viscosity changes

Chuck Guard

- Protects chuck from splashing
- Encloses spinning chuck
- Value in workplace safety

Quality and Value

- Overheat and overload protection
- Quiet operation
- 3-year warranty

Applications:

- Cosmetics formulation
- Inks and paints
- Pharmaceutical products
- Food
- Polymers

Create a
Textbook
Vortex!



Dispersion of ceramic powders



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