



Thermo Scientific Laboratory Products  
for Every Lab, Every Day

## essential solutions for maximizing productivity

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**Thermo**  
SCIENTIFIC

## Thermo Scientific Cimarec i Magnetic Stirrers

### No-Compromise Stirring Performance

Renowned for their outstanding quality and durability, Thermo Scientific Cimarec i stirrers are available in a range of sizes, with inductive drive systems to match the application or process need.

Powerful magnetic couplings ensure precise, reproducible stirring performance for both general and specialty applications. Cimarec i® stirrers are available with convenient built-in controllers or with versatile external controllers. All offer safe, low voltage operation. Many models feature hermetically-sealed drive housings that allow operation in challenging laboratory environments and facilitate cleaning.

Units with adjustable power settings, allow users to adjust the power to the lowest level necessary to maintain the desired speed, resulting in an environmentally friendly solution that decreases power consumption and lowers heat output.

### Cimarec i Magnetic Stirrers – Maintenance-free, inductive-drive stirrers

**Inductive-drive stirrers operate without moving parts, making them uniquely wear-free and maintenance-free.**

- Hermetically-sealed drives for safe operation in demanding environments, easier cleaning and contamination prevention
- Single-point and multi-point stirring configurations



**Cimarec i Stirrers**  
Pages 113-119



## Thermo Scientific Cimarec i Mini & Micro Stirrer



### Cimarec i Mini Stirrers

**No larger than a thumbnail, perfect for stirring cuvettes**

- Stir speeds up to 1400 rpm
- Stir volumes up to 5 mL

### Cimarec i Micro Stirrers

**Hermetically sealed housing resists dust and microorganisms**

- Suitable for use in high humidity conditions, and can be fully submerged in water baths up to 95°C
- Stainless-steel housing has excellent chemical resistance
- Stir speeds up to 1400 rpm; stir volumes up to 1L

### Controller Choices

The Cimarec i Micro and Mini series stirrers come standard with your choice of controller. Choose the Cimarec i standard Telemodul controller with its space saving design or the Cimarec i Telemodul 20C with micro-processor controls, adjustable power setting and programmability.

### LINK & SYNC

Link and Sync up to 8 Mini or Micro stirrers using one controller with optional distributors (see page 118) and 50088140 Mini stirrers without controller or 50134760 Micro stirrers without controller.

**Warranty<sup>Y</sup>:** Five years  
**Certifications:** CE

Cat. No.	Model	Stirring Speed	Power Setting	Protection Class (stirrer only)	Overall L x W x H	Weight	Electrical
50088130	Mini w/ Telemodul	130 to 1000rpm	0.1w	IP68	12 × 12 × 5mm (0.47 × 0.47 × 0.19in.)	0.02kg	230V Euro
50088132	Mini w/ Telemodul	130 to 1000rpm	0.1w	IP68	12 × 12 × 5mm (0.47 × 0.47 × 0.19in.)	0.02kg	230V UK
50088126	Mini w/ Telemodul	130 to 1000rpm	0.1w	IP68	12 × 12 × 5mm (0.47 × 0.47 × 0.19in.)	0.02kg	100V Japan
50088118	Mini w/ Telemodul	130 to 1000rpm	0.1w	IP68	12 × 12 × 5mm (0.47 × 0.47 × 0.19in.)	0.02kg	115V USA
50088120	Mini 20 w/ Telemodul 20C	130 to 1400rpm	0.5/0.1/0.15/0.2w	IP68	12 × 12 × 5mm (0.47 × 0.47 × 0.19in.)	0.02kg	100-240V
50088140	Mini w/o Controller	—	—	IP68	12 × 12 × 5mm (0.47 × 0.47 × 0.19in.)	0.02kg	—
50088162	Micro w/Telemodul	130 to 1000rpm	3w	IP68	48 × 48 × 15mm (1.8 × 1.8 × 0.6in.)	0.2kg	230V Euro
50088150	Micro w/Telemodul	130 to 1000rpm	3w	IP68	48 × 48 × 15mm (1.8 × 1.8 × 0.6in.)	0.2kg	115V USA
50088151	Micro w/Standard Telemodul	130 to 1000rpm	3w	IP68	48 × 48 × 15mm (1.8 × 1.8 × 0.6in.)	2.3kg	230V UK
50088155	Micro w/Standard Telemodul	130 to 1000rpm	3w	IP68	48 × 48 × 15mm (1.8 × 1.8 × 0.6in.)	2.3kg	230V Australia
50088149	Micro w/Standard Telemodul	130 to 1000rpm	3w	IP68	48 × 48 × 15mm (1.8 × 1.8 × 0.6in.)	2.3kg	100V Japan
50088148	Micro 20 w/Telemodul 20C	130 to 1400rpm	2/4/6/8w	IP68	48 × 48 × 15mm (1.8 × 1.8 × 0.6in.)	0.2kg	100-240V
50134760	Micro w/o Controller	—	—	IP68	48 × 48 × 15mm (1.8 × 1.8 × 0.6in.)	0.2kg	—

### OPERATING CONDITIONS:

**Mini:** -10 to +56°C at 95% rH ; 100-240 V units contain a cord set with various plugs

**Micro:** -10 to 120°C at 95% rH or 0-95°C submerged in water; 100-240 V units contain a cord set with various plugs

## Thermo Scientific Cimarec i Maxi & Compact Stirrers

**100% maintenance- and wear-free, hermetically sealed units designed for challenging stirring environments**



- Powerful magnets and no moving parts, these inductive-drive stirrers are designed to go into water baths and incubators.
- Outstanding mechanical, physical, thermal and chemical resistance
- Large, flat, easy-to-clean work surfaces
- Hermetically sealed chemically-resistant housing resists dust and microorganisms
- All models submersible for use in water baths up to 50°C
- Link and Sync up to 8 Compact stirrers or 4 Maxi stirrers using one controller with optional distributors (see page 118) and 50134759 Compact stirrer or 50134758 Maxi stirrer without controller

LINK & SYNC

### Cimarec i Maxi Stirrer with External Control

- Stir speeds up to 2000rpm
- Stir volumes up to 5L

### Cimarec i Compact Stirrer with External Control

- Stir speeds up to 1400rpm
- Stir volumes up to 1.5L

### Controller Choices

The Cimarec i Compact and Maxi stirrers come standard with your choice of controller. Choose the Cimarec i standard Telemodule controller with its space-saving design, the Cimarec i Telemodule 20C with microprocessor controls, adjustable power setting and programmability or the Cimarec i Telemodule 40C with higher speeds, more power settings and PC control. Adjustable power settings available on the Telemodule 20C and Telemodule 40C offer decreased power consumption and lower heat output

Warranty\*: Five years  
Certifications: CE

Cat. No.	Model	Stirring Speed	Power Settings	Material	Protection Class (stirrer only)	L x W x H	Weight	Electrical
50088143	Maxi w/Standard Telemodule	130 to 1000rpm	6w	Stainless Steel	IP68	18 × 18 × 3.5cm (7.1 × 7.1 × 1.4in.)	2.3kg (5.1 lb.)	230V, Euro
50088145	Maxi w/Standard Telemodule	130 to 1000rpm	6w	Stainless Steel	IP68	18 × 18 × 3.5cm (7.1 × 7.1 × 1.4in.)	2.3kg (5.1 lb.)	230 V UK
50088146	Maxi w/Standard Telemodule	130 to 1000rpm	6w	Stainless Steel	IP68	18 × 18 × 3.5cm (7.1 × 7.1 × 1.4in.)	2.3kg (5.1 lb.)	100 V Japan
50088147	Maxi w/Standard Telemodule	130 to 1000rpm	6w	Stainless Steel	IP68	18 × 18 × 3.5cm (7.1 × 7.1 × 1.4in.)	2.3kg (5.1 lb.)	115V, USA
50088135	Maxi w/Telemodule 20C	130 to 1400rpm	4.5/9/13.5/18	Stainless Steel	IP68	18 × 18 × 3.5cm (7.1 × 7.1 × 1.4in.)	2.3kg (5.1 lb.)	100-240V
50088122	Maxi w/Telemodule 40C	130 to 2000rpm	3-36w	Stainless Steel	IP68	18 × 18 × 3.5cm (7.1 × 7.1 × 1.4in.)	2.3kg (5.1 lb.)	100-240V
50088152	Compact w/Standard Telemodule	130 to 1000rpm	5w	Stainless Steel	IP68	12 × 12 × 3.5cm (4.7 × 4.7 × 1.4in.)	1kg (2.2 lb.)	Euro 230V
50088142	Compact w/Standard Telemodule	130 to 1000rpm	5w	Stainless Steel	IP68	12 × 12 × 3.5cm (4.7 × 4.7 × 1.4in.)	1kg (2.2 lb.)	115V, USA
50088153	Compact w/Standard Telemodule	130 to 1000rpm	5w	Stainless Steel	IP68	12 × 12 × 3.5cm (4.7 × 4.7 × 1.4in.)	2.3kg (5.1 lb.)	230 V UK
50094111	Compact w/Standard Telemodule	130 to 1000rpm	5w	Stainless Steel	IP68	12 × 12 × 3.5cm (4.7 × 4.7 × 1.4in.)	2.3kg (5.1 lb.)	230 V Australia
50088154	Compact w/Standard Telemodule	130 to 1000rpm	5w	Stainless Steel	IP68	12 × 12 × 3.5cm (4.7 × 4.7 × 1.4in.)	2.3kg (5.1 lb.)	100 V Japan
50088133	Compact w/Telemodule 20C	130 to 1400rpm	3/6/9/12w	Stainless Steel	IP68	12 × 12 × 3.5cm (4.7 × 4.7 × 1.4in.)	1kg (2.2 lb.)	100-240V

**OPERATING CONDITIONS:** -10 to +56°C in air; 0 to 50°C submerged in water.  
100-240 V units contain a cord set with various plugs

## Thermo Scientific Cimarec i Mono & Maxi Direct Stirrers

With powerful magnets and no moving parts, these inductive-drive stirrers are the perfect choice for your general lab needs.



- 100% maintenance- and wear-free
- Compact, space-saving design with large, flat, easy-to-clean work surfaces
- Gradual start acceleration is gentle and ensures optimum magnetic coupling
- Adjustable power settings are separate from the speed control — decreasing power consumption and lowering heat output

### Cimarec i Mono Direct Stirrer

- Easy-to-use rotary knob design
- Rugged powder-coated stainless-steel housing
- Stir volumes up to 3L

### Cimarec i Maxi Direct Stirrers

- Precise microprocessor control with bright digital display
- Easy-to-clean, chemical resistant, sealed stainless-steel housing
- Easily recall last used settings
- Stir volumes up to 5L
- Smooth and even stirring as low as 80 rpm

Warranty\*: Five years  
Certifications: CE

Cat. No.	Description	Overall L x W x H	Stirring Speed	Protection Class	Weight	Power Settings	Voltage/ Plug Type
50094711	Mono Direct	215 × 180 × 35mm (8.5 × 7.1 × 1.4in.)	130 to 1200rpm	IP32	1.4kg (3 lb.)	1/5W	230V Euro
50095601	Mono Direct	215 × 180 × 35mm (8.5 × 7.1 × 1.4in.)	130 to 1200rpm	IP32	1.4kg (3 lb.)	1/5W	115V USA
50096203	Mono Direct	215 × 180 × 35mm (8.5 × 7.1 × 1.4in.)	130 to 1200rpm	IP32	1.4kg (3 lb.)	1/5W	230V UK
50097289	Mono Direct	215 × 180 × 35mm (8.5 × 7.1 × 1.4in.)	130 to 1200rpm	IP32	1.4kg (3 lb.)	1/5W	230V Australia
50095921	Mono Direct	215 × 180 × 35mm (8.5 × 7.1 × 1.4in.)	130 to 1200rpm	IP32	1.4kg (3 lb.)	1/5W	100V Japan
50094713	Maxi Direct	215 × 180 × 35mm (8.5 × 7.1 × 1.4in.)	80 to 2000rpm	IP64	2.5kg (5.5 lb.)	5/10/15/20W	100-240V

**OPERATING CONDITIONS** are -10° to +40°C at 95% RH.  
100-240V units contain a cord set with various plugs



## Thermo Scientific Cimarec i Poly 15 & Multipoint Stirrers

**100% maintenance and wear-free stirrers available in platforms with up to 15 positions**



- Ideal for mass screening applications and other applications requiring multiple stirring points
- Inductive drive stirrers offer 100% maintenance and wear-free features in a fully synchronized multipoint platform
- Large, flat easy-to-clean work surfaces
- Precise microprocessor control with bright digital display
- Easily recall last used settings
- Gradual start acceleration is gentle and ensures good magnetic coupling

### Cimarec i Poly 15 Stirrer

- Rugged powder-coated stainless-steel housing
- Stir speeds up to 990rpm
- Suitable for 15 × 250mL beakers or 6 × 1L flasks

### Cimarec i Multipoint 6/15 Stirrers

- IP64 protection rated; easily cleaned with running water
- Easy-to-clean, chemical resistant, sealed stainless steel housing
- Chemical resistant, sealed stainless-steel housing
- Adjustable power settings are separate from the speed control that decreases power consumption and lowers heat output
- Smooth and even stirring as low as 80rpm and up to 2000rpm
- Stir volumes up to 3L per multipoint

**Warranty<sup>\*</sup>:** Five years  
**Certifications:** CE

Cat. No.	Model	No. of Stirring Positions	Power Settings	Overall L x W x H	Stirring Speed	Protection Class	Weight	Electrical
<b>50094596</b>	Poly 15	15	10w	420 × 240 × 35mm (16.5 × 9.4 × 1.4in.)	130 to 990rpm	IP32	6kg	100-240V
<b>50093557</b>	Multipoint 6	6	5/10/15/20w	420 × 240 × 35mm (16.5 × 9.4 × 1.4in.)	80 to 2000rpm	IP64	7.5kg	100-240V
<b>50093538</b>	Multipoint 15	15	5/10/15/20w	420 × 240 × 35mm (16.5 × 9.4 × 1.4in.)	80 to 2000rpm	IP64	7.5kg	100-240V

**OPERATING CONDITIONS:** -10 to +40°C at 95% rH; 100-240 V units contain a cord set with various plugs

## Thermo Scientific Cimarec i Telesystem Multipoint Stirrers

**Designed for use with aggressive media, in high humidity environments and for integration with incubators and controlled climate chambers**



- All models submersible for use in water baths up to 50°C
- Inductive drive is 100% wear and maintenance free and ensures completely synchronized stirring at all positions
- 6-, 15- or 60-position stirrers
- IP68 protection rated; easily cleaned with running water
- Smooth and even stirring from 100rpm up to 2000rpm
- Stir volumes up to 2L per multipoint
- External controllers decrease power consumption and lower heat output
- Chemical resistant, sealed stainless-steel housing
- Easy recall of last used settings

### Controller Choices

The Cimarec i Telesystem multipoint stirrers come standard with your choice of controller. Choose the Cimarec i Telemodul 20C controllers with microprocessor controls, adjustable power setting, and programmability or the Cimarec i Telemodul 40C controllers with higher speeds, more power settings, and PC control.

**Warranty<sup>Y</sup>:** Five years  
**Certifications:** CE

Cat. No.	Model	Protection Class	Power Setting	Stir Volume per point	Overall L x W x H	Stirring Speed	Weight	Electrical
<b>50088077</b>	Telesystem 6 Position w/Telemodul 20C	IP 68	5/10/15/20w	1-1500ml	420 × 240 × 35mm (16.5 × 9.4 × 1.4in.)	130 to 1400rpm	7.5kg (16.5 lb.)	100-240V
<b>50088078</b>	Telesystem 6 Position w/Telemodul 40C	IP 68	4-40w	1-2000ml	420 × 240 × 35mm (16.5 × 9.4 × 1.4in.)	100 to 2000rpm	8kg (17.6 lb.)	100-240V
<b>50088034</b>	Telesystem 15 Position w/Telemodul 20C	IP 68	5/10/15/20w	1-1000ml	420 × 240 × 35mm (16.5 × 9.4 × 1.4in.)	130 to 1400rpm	7.5kg (16.5 lb.)	100-240V
<b>50088036</b>	Telesystem 15 Position w/Telemodul 40C	IP 68	4-40w	1-1200ml	420 × 240 × 35mm (16.5 × 9.4 × 1.4in.)	100 to 2000rpm	8kg (17.6 lb.)	100-240V
<b>50088009</b>	Telesystem 60 Position w/Telemodul 20C	IP 68	5/10/15/20w	0.1-50ml	420 × 240 × 35mm (16.5 × 9.4 × 1.4in.)	130 to 1400rpm	7.5kg (16.5 lb.)	100-240V
<b>50088011</b>	Telesystem 60 Position w/Telemodul 40C	IP 68	4-40w	0.1-100ml	420 × 240 × 35mm (16.5 × 9.4 × 1.4in.)	100 to 2000rpm	8kg (17.6 lb.)	100-240V

**OPERATING CONDITIONS:** -10° to +56°C at 100%RH in air; 0° to 50°C submerged in water.  
100-240 V units contain a cord set with various plugs

## Thermo Scientific Cimarec Stirrer Accessories



### Thermo Scientific Cimarec i Thermostats

Cat. No.	Model	Voltage	Includes	For Use With
<b>50087876</b>	Thermostat 60°C	115V	Circulation pump and digital temperature display	Telesytem Cimarec i Stirrers
<b>50087884</b>	Thermostat 60°C	230V	Circulation pump and digital temperature display	Telesytem Cimarec i Stirrers
<b>50087867</b>	Thermostat 95°C	115V	Circulation pump and digital temperature display	Telesytem Cimarec i Stirrers
<b>50087875</b>	Thermostat 95°C	230V	Circulation pump and digital temperature display	Telesytem Cimarec i Stirrers



### Thermo Scientific Cimarec i Bath Mounts

Cat. No.	Material	Dimensions (L x W x H)	Capacity	Operating Temp.	For Use With
<b>50087880</b>	Transparent Acrylic	610 x 330 x 185mm (24 x 13 x 7.3in.)	15L (3.9 gal.)	0° to 60°C	Telesytem Cimarec i Stirrers
<b>50087882</b>	Stainless Steel	520 x 315 x 160mm (20.4 x 12.4 x 6.3in.)	15L (3.9 gal.)	-10 to +200°C	Telesytem Cimarec i Stirrers



### Thermo Scientific Cimarec i Test Tube Racks

Cat. No.	Material	For Use With
<b>50087957</b>	Stainless Steel	20mm tubes in Telesytem Cimarec i Stirrers
<b>50087955</b>	Stainless Steel	16mm tubes in Telesytem Cimarec i Stirrers



### Thermo Scientific Cimarec i Benchtop Distributors

LINK & SYNC

- Ensure identical operating conditions for multiple stirrer installations
- Even power distribution for synchronized stirring
- Benchtop distributors ensure identical operating conditions for multiple stirrer installations.
- Simultaneous control of 2, 4, 6 or 8 Mini, Micro or Compact series stirrers using a single Cimarec i Telemodul 20C or Cimarec i Telemodul 40C external controller
- Simultaneous control of 2 or 4 Maxi series stirrers using a single Cimarec i Telemodul 20C or Cimarec i Telemodul 40C external controller
- Even power distribution for synchronized stirring

Cat. No.	Model
<b>50091720</b>	4-Place Distributor
<b>50091721</b>	8-Place Distributor

### Thermo Scientific Cimarec Extension Cables

Cat. No.	Model	Length	Compatibility
<b>50088016</b>	4-Pin Extension Cable	3m (9.8ft.)	Cimarec i Telmodul 20C, 40C and Cimarec Telemodul 10M Controllers
<b>50088021</b>	6-Pin Extension Cable	3m (9.8ft.)	Cimarec Telemodul Biosystem 40B Controller
<b>50088102</b>	8-Pin Extension Cable	3m (9.8ft.)	Cimarec Telemodul 40M and 80M Controllers



## Thermo Scientific Cimarec i Telemodul Controllers



### Included with the Cimarec i Micro, Mini, Compact, and Maxi Stirrers

- Order as replacement controller only.
- Single point stirring power for small to medium volumes (up to 250mL)

Cat. No.	Stirring Speed	Speed Control Accuracy	Stirring Power Relative to Rated Power	Ambient Temp. Range	Overall L x W x H	Weight	Electrical
<b>50119115</b>	130 to 1000rpm	±3	100%	0° to 40°C @ 80% relative humidity	96 × 63 × 50mm (3.7 × 2.4 × 1.9in.)	0.4kg (0.8 lb.)	230V/12V DC 7W
<b>50119119</b>	130 to 1000rpm	±3	100%	0° to 40°C @ 80% relative humidity	96 × 63 × 50mm (3.7 × 2.4 × 1.9in.)	0.4kg (0.8 lb.)	115V/12V DC 7W

## Thermo Scientific Cimarec i Telemodul 40C and 20C Controllers



### Included with the Cimarec i Micro, Mini, Compact, Maxi and Telesystems Stirrers

- Order as replacement controller only
- High speeds and power settings for more demanding stirring tasks
- Single-handed operation with straightforward turn and press adjustment wheel
- Three individual program, store and recall keys for rapid start-up
- Last used settings stored in memory
- Rocking/shake mode reverses stir bar direction for a gentle back and forth stirring motion
- Four power settings to decrease power consumption and lower heat output
- 10 power settings (40C model) and four power settings (20C model) to decrease power consumption and lower heat output
- RS-232 interface for data transfer and PC control (40C model only)

Cat. No.	Stirring Speed	Speed Control Accuracy	Rated Power	Stirring Power Relative to Rated Power	Ambient Temp. Range	Starting Times/ Pause Times	Output Voltage	Overall L x W x H	Weight
<b>50090774</b>	100 to 2000rpm	±1	40w	10 to 100 (10 levels)	0° to 40°C @ 80% relative humidity	5 sec. to 60 min.	36V DC	165 × 155 × 95mm (6.4 × 6.1 × 3.7in.)	0.7kg (1.5 lb.)
<b>50090773</b>	130 to 1400rpm	±1	20w	25/50/75/100 (4 levels)	0° to 40°C @ 80% relative humidity	5 sec. to 60 min.	20V DC	165 × 155 × 95mm (6.4 × 6.1 × 3.7in.)	0.6kg (1.3lb.)

## Thermo Scientific Cimarec Biosystem Slow Speed Stirrer for Cell Culture

Gentle stirring of microcarrier cultures, culture broths and cell suspensions inside your CO<sub>2</sub> incubator



- Hermetically sealed housing resists microorganisms — separate external controller ensures only the hermetically sealed stirrer is exposed to the CO<sub>2</sub> environment
- Heatless operation will not compromise the incubator chamber conditions
- Stainless-steel housing is easy to clean and resists aggressive media
- Gradual low-shear acceleration on start-up
- Smooth and even stirring as low as 5rpm
- Adjustable controller power settings decrease power consumption and lower heat output
- Single position stirrers stir up to 20L; Four-position stirrers stir up to 5L per position

Required Cimarec Biosystem 40B Controller:

<b>50118915</b> – 230V Germany	<b>50118919</b> – 230V Switzerland
<b>50118918</b> – 230V UK	<b>50126086</b> – 115V US
<b>50118921</b> – 230V China	<b>50118917</b> – 230V Denmark
<b>50118916</b> – 230V Italy	<b>50118920</b> – 230V Australia

Cat. No.	Model	Dimensions (L x W x H)	Weight	Stir Speed	Protection Class	Power Setting
<b>50119113</b>	Biosystem w/o Controller	180 × 180 × 60mm (7 × 7 × 2.4in.)	3.4kg (7.5 lb.)	5 to 120rpm	IP68	0.4 to 4w
<b>50119114</b>	Biosystem 4-Position w/o Controller	330 × 330 × 60mm (12.9 × 12.9 × 2.4in.)	9.4kg (20.7 lb.)	5 to 120rpm	IP68	0.4 to 4w

## Thermo Scientific Cimarec Biosystem Direct Slow Speed Stirrer

Gentle stirring outside of a CO<sub>2</sub> incubator



- Heatless operation protects heat-sensitive cell culture
- Stainless-steel housing is easy to clean and resists aggressive media
- Gradual low-shear acceleration on start-up
- Smooth and even stirring as low as 5rpm
- Single position stirrers stir up to 5L; Four-position stirrers stir up to 2L per position
- Built-in controller

**Warranty\*:** Five years  
**Certifications:** CE marked

Cat. No.	Model	Dimensions (L x W x H)	Weight	Stir Speed	Protection Class	Electrical	Power Setting
<b>50088071</b>	Biosystem 1-Position Direct	180 × 180 × 60mm (7 × 7 × 2.4in.)	3.4kg (7.5 lb.)	5 to 120rpm	IP64	230V Euro	1w
<b>50088058</b>	Biosystem 1-Position Direct	180 × 180 × 60mm (7 × 7 × 2.4in.)	3.4kg (7.5 lb.)	5 to 120rpm	IP64	115V USA	1w
<b>50088057</b>	Biosystem 1-Position Direct	180 × 180 × 60mm (7 × 7 × 2.4in.)	3.4kg (7.5 lb.)	5 to 120rpm	IP64	230V UK	1w
<b>50088064</b>	Biosystem 1-Position Direct	180 × 180 × 60mm (7 × 7 × 2.4in.)	3.4kg (7.5 lb.)	5 to 120rpm	IP64	230V Australia	1w
<b>50101524</b>	Biosystem 1-Position Direct	180 × 180 × 60mm (7 × 7 × 2.4in.)	3.4kg (7.5 lb.)	5 to 120rpm	IP64	100V Japan	1w
<b>50088061</b>	Biosystem 4-Position Direct	330 × 330 × 60mm (12.9 × 12.9 × 2.4in.)	11kg (24.3 lb.)	5 to 120rpm	IP64	100-240V	0.05w (x4)

**OPERATING CONDITIONS:** **Biosystem:** Operating conditions are -10 to +56°C at 100% rH; **Biosystem Direct:** -10 to +40°C at 95% rH; 100-240 V units contain a cord set with various plugs

## Thermo Scientific Cimarec Mobil 10 and Mobil 25 Large Volume & Power Direct Stirrers

**Ideal for hard to stir viscous liquids up to 10L or 40L depending on model with Quick Stop function to stop the drive within three seconds, minimizing after runs and reducing the risk of breakage**



### Cimarec Mobil 10

- Compact space-saving design
- Gradual low-shear acceleration on start-up

### Cimarec Mobil 25

- Ideal for high temperatures up to 121°C and high pressure applications up to 2 bars (29psi)
- Can be used in autoclaves, water baths and climatic chambers
- Perfect for use on sterilized media ensuring even heating and cooling
- Easy-to-clean, chemical resistant, sealed stainless-steel housing
- Gradual low-shear acceleration on start-up

### Cimarec Power Direct (no controller required)

- Ideal for high-capacity (up to 40mL) stirring
- Integrated controller has an adjustable power setting that decreases power consumption and lowers heat output
- Sealed stainless-steel housing is easy to clean and chemical resistant

**Required Accessories:** Cimarec Telemodul 10M controller (#50019120 or #50019121) (Only required for Cimarec Mobil 10 and 25 models)

**Warranty<sup>1</sup>:** Five years

**Certifications:** CE

Cat. No.	Model	Overall Dimensions	Stir Speed	Stir Capacity	Operating Temp.	Weight	Protection Class	Power Setting	Electrical
<b>50119111</b>	Mobil 10 w/o controller	128 × 32mm (5 × 1.3in.)	100 to 1000 rpm	10L	-10° to +56°C	0.7kg (1.5 lb.)	IP66	10w	–
<b>50119112</b>	Mobil 25 w/o controller	128 × 32mm (5 × 1.3in.)	100 to 1000 rpm	10L	-10° to +121°C	1.7kg (3.7 lb.)	IP68	10w	–
<b>50098760</b>	Power Direct	95 × 240 × 35mm (11.6 × 9.4 × 1.4in.)	100 to 2000 rpm	40L	-10° to +40°C	2.5kg (5.5lbs)	IP22	5/10/15/20w	100-240V

**OPERATING CONDITIONS:** Mobil 10: -10 to 56°C ; Mobil 25: -10 to 121°C; Power Direct: -10 to 40°C  
100-240 V units contain a cord set with various plugs

## Thermo Scientific Cimarec Telemodul 10M Controller

Cat. No.	Stir Speed	Stir Capacity	Electrical	For use with
<b>50119120</b>	100 to 1000 rpm	10L	230V	Mobil 10 and Mobil 25
<b>50119121</b>	100 to 1000 rpm	10L	115V US	Mobil 10 and Mobil 25

## Thermo Scientific Cimarec Mobil Direct, Mobil 200 and Mobil 600 Large Volume Stirrers

### Outstanding stirring power for high-volume applications



- For use in pilot plant or integrated with process equipment
- Quick Stop function stops the drive within three seconds, minimizing after runs and risk of vessel breakage
- Easy-to-clean, chemical resistant, sealed stainless-steel housing
- Maximum shaft torque is 30Ncm for the Mobil Direct and 50Ncm for the Mobil 200 and 600
- Mobil Direct can stir up to 150L and features an integrated controller with adjustable power settings
- Mobil 200 can stir up to 200L; Mobil 600 can stir up to 600L

**Required Accessories:** The Cimarec Mobil 200 and 600 require either the Cimarec Telemodul 40M or 80M controller (order separately).

**Warranty\*:** Five years

**Certifications:** CE

Cat. No.	Description	Stir Speed	Power Settings	Type	Dimensions	Weight	Electrical
50088131	Mobil Direct	100 to 1000rpm	40w	IP64	330 × 330 × 80mm (13 × 13 × 3.4in.)	16kg	115V USA
50088128	Mobil Direct	100 to 1000rpm	40w	IP64	330 × 330 × 80mm (13 × 13 × 3.4in.)	16kg	230V Euro
50088129	Mobil Direct	100 to 1000rpm	40w	IP64	330 × 330 × 80mm (13 × 13 × 3.4in.)	16kg	100V Japan
50100547	Mobil Direct	100 to 1000rpm	40w	IP64	330 × 330 × 80mm (13 × 13 × 3.4in.)	16kg	230V UK
50119109	Mobil 200 w/o Controller	100 to 1000rpm	80w	IP65	180 × 180 × 80mm (7 × 7 × 3.4in.)	6kg	—
50119110	Mobil 600 w/o Controller	100 to 1000rpm	80w	IP65	330 × 330 × 80mm (13 × 13 × 3.4in.)	16kg	—

**OPERATING CONDITIONS:** Mobil Direct: -10 to +40°C at 95% rH; Mobil 200 & 600: -10 to +56°C at 100% rH

## Thermo Scientific Cimarec 40M and 80M Telemodul Controllers



- Constant speeds, even during viscosity changes
- High visibility digital display
- Thermal and electrical overload protection, with fault alert

Cat. No.	Stirring Range	Voltage
<b>Cimarec 40M Controllers (40w)</b>		
50118901	100 to 1000rpm	230V Germany
50118902	100 to 1000rpm	230V Italy
50118903	100 to 1000rpm	230V Denmark
50118904	100 to 1000rpm	230V UK
50118905	100 to 1000rpm	230V Swiss
50118906	100 to 1000rpm	230V Australia
50118907	100 to 1000rpm	230V China
50119122	100 to 1000rpm	110V Japan
50119123	100 to 1000rpm	115V US

Cat. No.	Stirring Range	Voltage
<b>Cimarec 80M Controllers (80w)</b>		
50118908	100 to 1000rpm	230V Germany
50118909	100 to 1000rpm	230V Italy
50118910	100 to 1000rpm	230V Denmark
50118911	100 to 1000rpm	230V UK
50118912	100 to 1000rpm	230V Swiss
50118913	100 to 1000rpm	230V Australia
50118914	100 to 1000rpm	230V China
50119124	100 to 1000rpm	110V Japan
50119125	100 to 1000rpm	115V US