

Thermo Scientific Cimarec i Telesystems

Designed for use with aggressive media, in high humidity environments, our Telesystems are perfect for integration with incubators and controlled climate chambers

- Low maintenance designed to resist wear
- All models submersible for use in water baths up to 50°C
- Inductive-drive ensures completely synchronized stirring at all positions
- Choose from 6, 15 or 60 position stirrers
- Choose from two external controllers with adjustable power settings (your choice included)
 - Decreases power consumption
 - Lowers heat output
- Available with Telemodul 40 C for data transfer and PC control



Cimarec i Telesystem 15

Telesystem Multipoint Stirrer with External Control

- IP68 protection rated; easily cleaned with running water
- Chemical resistant, sealed stainless steel housing
- Easily recall last used settings
- Adjustable power settings are separate from the speed control
 - Decreases power consumption
 - Lowers heat output
- Smooth and even stirring as low as 100 rpm
- Stir speeds up to 2000 rpm
- Stirring volumes up to 2 L per multipoint

Model	Part Number	Voltage/Plug Type	Speed (rpm)	Protection Class	Power Settings (W)	Dimensions WxDxH (mm)	Weight (kg)	Stir Volume per point (ml)
Telesystem 6 Position w/ Telemodul 20 C	50088077	100-240 V	130-1400	IP68	5/10/15/20	240 x 420 x 35	7.5	1-1500
Telesystem 6 Position w/ Telemodul 40 C	50088078	100-240 V	100-2000	IP68	4-40	240 x 420 x 35	8	1-2000
Telesystem 15 Position w/ Telemodul 20 C	50088034	100-240 V	130-1400	IP68	5/10/15/20	240 x 420 x 35	7.5	1-1000
Telesystem 15 Position w/ Telemodul 40 C	50088036	100-240 V	100-2000	IP68	4-40	240 x 420 x 35	8	1-1200
Telesystem 60 Position w/ Telemodul 20 C	50088009	100-240 V	130-1400	IP68	5/10/15/20	240 x 420 x 35	7.5	0.1-50
Telesystem 60 Position w/ Telemodul 40 C	50088011	100-240 V	100-2000	IP68	4-40	240 x 420 x 35	8	0.1-100

Operating conditions are -10 to 56°C at 100% rH in air; 0-50°C submerged in water
100-240 V units contain a cord set with various plugs

Controller Choices

The Telesystem multipoint stirrers come standard with your choice of controller. Choose the Telemodul 20 C with microprocessor controls, adjustable power setting, and programmability or the Telemodul 40 C with higher speeds, more power settings, and PC control. Detailed specifications can be found on page 9.



**Programmable
Telemodul 20 C**



**Programmable
Telemodul 40 C**

Thermo Scientific Cimarec i Controllers for Inductive Drive Stirrers

Stirrers are included with the Micro, Mini (pages 2 to 3), Compact, Maxi (page 5) and Telesystems (page 7)



Standard Telemodul

The space-saving Telemodul controller provides stirring power for small to medium volumes of low-viscosity fluids. Recommended for single point stirring up to 250 mL.



Telemodul 20 C

The versatile Telemodul 20 C controller features user-friendly, menu-driven microprocessor controls.

- 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



Telemodul 40 C

The Telemodul 40 C controller offers all the functionality of the Telemodul 20 C controller. Additional features include:

- Power output booster to 40 W for more demanding stirring tasks
- 10 power settings to decrease power consumption and lower heat output
- RS-232 interface for data transfer and PC control

Telemodul External Control Units

Description	Telemodul	Telemodul 20 C	Telemodul 40 C
Speed Control Range (rpm)	130-1000	130-1400	100-2000
Speed Control Accuracy (%)	±3	±1	±1
Rated Power (W)	7	20	40
Stirring Power Relative to Rated Power (%)	100	25/50/75/100 (4 Levels)	10-100 (10 Levels)
Starting Times	–	5 s to 60 min	5 s to 60 min
Pause Times	–	5 s to 60 min	5 s to 60 min
Starting Times	–	–	–
Output Voltage (VDC)	12	20	36
Supply Voltage (VAC)	115 or 230	100-240	100-240
Ambient Temperature Range (°C)	0 to +40 @ 80% rH	0 to +40 @ 80% rH	0 to +40 @ 80% rH
Dimensions WxDxH (mm)	63 x 96 x 50	155 x 165 x 95	155 x 165 x 95
Weight (kg)	0.4	0.6	0.7