



New Control Units

In addition to directly controlled stirres, the VARIOMAG-program also comprises stirring systems with remote control that are controlled by an external control unit. On this page you can see our new control units. These units will replace the control units TELEMODUL 20 P, TELEMODUL 40 S, and THERMOMODUL 40 ST.



Production of the TELEMODUL 20 P, TELEMODUL 40 S and TELEMODUL 40 S control units will be discontinued.

These units will be replaced by the new TELEMODUL 20 C, TELEMODUL 40 C and TELEMODUL 40 CT control units.

The successor models will have the full functionality of the previous control units. In addition, the new control units will feature many improvements in detail and additional functions.

NEW TELEMODUL C SERIES

- Microprocessor controlled, user-friendly, menu driven settings
- Single-hand operation - just turn and press the adjustment wheel
- Large graphic display - all settings visible at a glance
- Three individually programmable program keys for rapid startup - the last settings in effect are stored automatically
- Intermittent operation with freely adjustable stirring and pause times and rotation sense inversion (5 s - 1 h)
- Start/Stop key for recentring, safe starting, and rapid stopping of the stirring bar
- Vertical mixing (shake mode)
- Stirring bar rotates evenly, even at low speeds
- Three different settings (1x, 2x, 4x) for assured startup acceleration of the stirring bar, even in highly viscous liquids
- RS 232 interface for external control
- User interface in four languages (English, French, German, Spanish)



TELEMODUL 40 C

Powerful control unit for the most demanding stirring tasks.

- 40 W rated power
- Extended speed range, 100-2000 rpm
- 10-fold adjustable power from 10% to 100%
- Universal power supply for 100-240 VAC/ 50-60 Hz

TELEMODUL 20 C to control

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replaces
TELEMODUL 20 P

TELEMODUL 40 C to control

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• Stirring-Baththermostat	
HP 6 S / HP 15 S / HP 60 S	11

replaces
TELEMODUL 40 S

TELEMODUL 20 C

Universal control unit with 20 W rated power and convenient operation

- Adjustable speed range 130-1400 rpm in 5 rpm increments
- Four different power settings (25%/50%/75%/100%), with more power for larger quantities and more viscous liquids and reduced power for long-term operation without heat generation

Accessories

For TELEMODUL 40 C

- 4-fold benchtop distributor Order No.: 93104
- 8-fold benchtop distributor Order No.: 93108



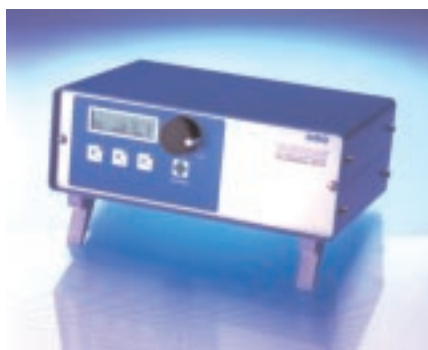
TELEMODUL 40 CT

Powerful control unit with 40 W rated power (stirrer) and electronic temperature control for electric heaters at up to +200 °C; suitable for VARIOMAG reaction blocks and (as of the summer of 2000) for stirring block thermostats and MULTITHERM stirring/heating plates.

- Microprocessor-controlled, user-friendly, menu-driven settings
- Single-hand operation - just turn and press the adjustment wheel
- Large graphic display - all settings visible at a glance
- Three individually programmable program keys for rapid startup - the last settings in effect are stored automatically
- RS 232 interface for PC control
- User interface in four languages (English, French, German, Spanish)

Stirrer control:

- Intermittent operation with freely adjustable stirring and pause times and rotation sense inversion (5 s - 1 h)
- Start/Stop key for recentring, safe starting, and rapid stopping of the stirring bar
- Vertical mixing (shake mode)
- Adjustable speed range 100-2000 rpm in 5 rpm increments
- Stirring bar rotates evenly, even at low speeds
- Three different settings (1x, 2x, 4x) for assured startup acceleration of the stirring bar, even in highly viscous liquids
- Ten different power settings (10% to 100 %) with more power for larger quantities and more viscous liquids and reduced power for long-term operation without heat generation



Accessories

For TELEMODUL 40 CT

- Pt-100 temperature sensor for liquid temperature control
- Adapter for reaction block (separate connectors for control and heating)

Note

TELEMODUL 40 CT is currently incompatible with VARIOMAG stirring block thermostats and VARIOMAG MULTITHERM!

Heater control:

- Electrical heating unit up to +200 °C in 1 K increments
- Additional independent temperature control loop, mechanically adjustable at the back of the unit (safety loop for unattended operation)
- Temperature control by optional liquid temperature sensor (please inquire)
- Control hysteresis between 0.5 K and 10 K in 0.5 K increments
- Timer for block operation up to 8 h in one-second increments

Technical specifications				
Type	20 C	TELEMODUL 40 C	15pin plugin	TELEMODUL 40 CT two separate connectors
Stirring power (relativ to rated power)	(4 power settings) (%)	(10 power settings) (%)		(8 power settings) (%)
	25/50/75/100	10 - 100		30 - 100
Rated power	(VA)		40	40
Heating power	(W)		-1000	-2000 (-1000 bei 115 V)
Speed	(1/min)	130 bis 1400		100 bis 2000
Constancy of speed	(%)			± 3
Set temperature range				± 3
Dimensions WxDxH	(mm)	195 x 145 x 70		10 °C higher than ambient temp. up to +200 °C
Weight	(kg)	1,2		255 x 180 x 90
Ambient temperature at 80% humidity	(°C)	0 bis +40 °		2,0
Operation voltage			230 VAC / 50 - 60 Hz	0 bis +40 °
Output voltage (V _{eff.})	2 x 20	2 x 36		100 - 240 VAC / 50 - 60 Hz
Protection acc. to DIN 40050		IP 20, Protection class I		2 x 36 / 100-240 VAC
Order No.:	01-80067-003	01-80067-004	90688	IP 20, Protection class I
Order No.: (115 V)	01-80067-003 U	01-80067-004	90688 U	90689
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