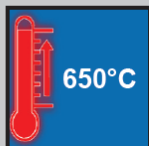


# Heating mantle | flasks

for spherical flasks, external controller available, up to 650°C



1.000 ml flask heating mantle

## WHM for flasks, 650°C

for use with external controller  
high maximal temperature

### Ideal for:

- spherical flasks 100 - 10.000 ml
- use with magnetic stirrer

### Features:

- full choice of vessel, capacity, housing and control are offered
- highly processed aluminium case offers robust standing, easy handling
- nickel chrome heating element
- coil type: acid-resistant, long life time
- K-type thermo sensor is basically embedded
- CE certified and unique serial number for tracing

### Controller:

- optional remote thermo controllers are available (analog: WHM-C10A, digital: WHM-C10D)



WHM-C10D  
digital controller



WHM-C10A  
analog controller

Application (flask brand)	Flask capacity (ml)	Flask Ø (mm)	Watts (W)	Inside depth (mm)	Mantle outside Ø x H mm	Support rod Ø x H mm	Order number	
							with 230V	with 120V
common-use	100	63 - 66	120	50	Ø 145 x 75	Ø 13 x 440	DH.WHM12091	DH.WHM12101
common-use	250	86 - 86	200	50	Ø 145 x 75	Ø 13 x 440	DH.WHM12092	DH.WHM12102
common-use	500	102 - 105	350	60	Ø 190 x 85	Ø 13 x 440	DH.WHM12093	DH.WHM12103
common-use	1,000	130 - 133	450	85	Ø 190 x 110	Ø 13 x 440	DH.WHM12094	DH.WHM12104
for DU./Iw.	2,000	165 - 169	600	110	Ø 270 x 135	Ø 13 x 660	DH.WHM12095	DH.WHM12105
for Ki./Py.	2,000	161 - 164	600	110	Ø 270 x 135	Ø 13 x 660	DH.WHM120951	DH.WHM121051
for DU./Ki.	3,000	184 - 187	700	110	Ø 270 x 135	Ø 13 x 660	DH.WHM12096	DH.WHM12106
common-use	5,000	221 - 224	1200	140	Ø 325 x 165	Ø 13 x 800	DH.WHM12097	DH.WHM12107
for DU./Ki.	6,000	234 - 237	1200	140	Ø 325 x 165	Ø 13 x 800	DH.WHM12098	DH.WHM12108
for DU.	10,000*	278 - 282	1800*	160	Ø 390 x 240	Ø 13 x 800	DH.WHM12099	DH.WHM12109*

\* DH.WHM12109 is offered with 1 Phase 120V power cable  
♦ 10,000 ml mantle steel case - magnetic stirring is not available

Remarks: DU. = Duran®, Ki. = Kimax, Iw. = Iwaki, Py. = Pyrex

Accessories: Remote controller and temperature probes on page 49

# Heating mantle

Accessories: Remote controller and temperature probes



## WHM-C10A analog controller

### Ideal for:

- all-purpose heating instruments

### Features:

- small footprint, compact analog temperature controller
- precise manual control of heating mantles, tapes, cords and others resistive loads up to 1.2 kW
- safe and durable design
- solid state, proportional voltage power control (5~100% or rated voltage)
- CE certified and unique serial number for tracing

Model	WHM-C10A	
	120V	230V
Dimension	160 x 128 x 145 mm, 1 kg	
Packing size	190 x 160 x 130 mm, 2 kg	
Power supply	1 Phase AC 120V, 60 Hz	1 Phase AC 230V, 50/60Hz
Order number	DH.WHM23500	DH.WHM13500



## WHM-C10D digital controller

### Ideal for:

- all-purpose heating instruments

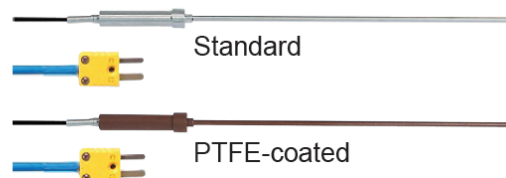
### Features:

- user's self-compensation function to offset between actual and displayed temperature ( $\pm 50.0^{\circ}\text{C}$ )
- digital feedback control by high-performance microprocessor
- small footprint and user-friendly design
- storage function, alarm, timer and locking mode
- heating instruments can be controlled up to 2kW
- accurate temperature control of the liquid in the vessel using optional direct K-type sensor
- backlight LCD display
- CE certified and unique serial number for tracing

Model	WHM-C10D	
	120 V	230 V
Temperature range & accuracy	ambient to +5 - 700°C $\pm 1^{\circ}\text{C}$ at set temperature	
Temperature resolution	1°C - display, 1°C - control	
Timer & alarm	99hr 59 min (continuous run), errorstatus & timer end	
Control capacity	up to 2 kW	up to 1.5 kW
Dimension	206 x 207 x 99 mm, 2.8 kg	
Packing size	280 x 250 x 110 mm, 4 kg	
Power supply	1 Phase AC 120V, 60 Hz	1 Phase AC 230V, 50/60 Hz
Order number	DH.WHM22500	DH.WHM12500

Temperature probes for heating mantle controller WHM-C10D

	Measurements	Article	Order number
Standard	Ø4,8 x L250 mm	SS300	DH.WHP503040
Standard	Ø4,8 x L380 mm	SS400	DH.WHP503050
PTFE-coated	Ø4,8 x L250 mm	SS310	DH.WHP503041
PTFE-coated	Ø4,8 x L380 mm	SS410	DH.WHP503051



Please note: the digital controller WHM-C10D only works in combination with one of the offered temperature probes! Without temperature probe the device can't be used. Please choose from the probes on the right side.