

WiseTherm®

Heating Mantles

High Quality!

Stirrer Heating Mantle



WHM12034

Large Capacity Heating Mantle



WHM12073

For Spherical flask

- Aluminum-case Heating Mantles with Controller.
- Aluminum-case Stirrer Heating Mantles with Controller.
- Aluminum-case Heating Mantles.
- 10~100 Lit., Large Capacity Heating Mantles, with Steel case.
- High-temperature Aluminum-case Heating Mantles.
- Fabric-housed Heating Mantles.

High-Temp. Heating Mantle



WHM12094

Stirrer Beaker Heating Mantle



WHM121606

For Beaker

- Aluminum-case Beaker Heating Mantles with Controller.
- Aluminum-case Stirrer Beaker Mantles with Controller.
- Aluminum-case Beaker Heating Mantles.
- Fabric-housed Beaker Heating Mantles.

Reaction Vessel Heating Mantle



WHM12217

Reaction Vessel Heating Mantle with Controller



WHM722101

For Reaction Vessel

- Reaction Vessel Heating Mantles.
- Reaction Vessel Mantle with Bottom-Outlet.
- Aluminum-case Stirrer Reaction Vessel Mantles, with Controller.
- Fabric-housed Reaction Vessel Mantles.

Analog Compact Controller



WHM-C10A

Digital Feedback Controller



WHM-C10D

For All Heating Instruments Control

- Analog Compact Controller.
- Digital Feedback Controller.
- Analog Aluminum-case Multi Heating Mantles, with 3 & 6 Places.
- Fabric Heating Mantle Tops.
- Pear-shape Flask Micro-Heating Mantles.
- Heating Tapes, Standard-type.
- Customized Heating Mantles & Insulation.

Analog 6 places Heating Mantle



WHM12293

Jump into the World!



WiseTherm® WHM-series High-Quality Heating Mantles

Full choices of Vessel, Capacity, Housing and Control are Offered !!

- Covering All Kind of Vessels : Spherical (Round) Flask Mantles, Pear-shape Flask Mantles, Beaker Mantles, Reaction Vessel Mantle and Heating Tapes.
- Covering All Sizes of Vessels :
 - 50, 100, 250, 500, 1.000, 2.000, 3.000, 5.000, 6.000, 10.000, 20.000 ml Round Flasks.
 - 10, 20, 50, 100 L Large Capacity Round Flasks.
 - 100, 250, 400, 600, 800, 1.000, 2.000, 3.000, 4.000, 5.000 ml Beakers.
 - 500, 1.000, 2.000, 3.000, 5.000, 6.000, 7.000, 10.000 ml Reaction Vessels.
 - 10, 20, 50, 100 L Large Capacity Reaction Vessels.
 - 10, 25, 50, 100, 250 ml Pear-shape Flasks.
- Covering All Brands of Vessels : Schott-DURAN, IWAKI, PYREX and Kimble.
- Various Choices of Housing : Aluminum housed Mantles, Fabric Mantles, Steel Housed Mantles for Large Capacity Vessels.
- Various Choices of Functionality : Mantle - only, Mantle with Heating Control, Mantle with Heating/Stirring Control, Remote Digital Feedback Thermo Controller.

Powered by **Wisd** Digital Control Technology

- Maximum Temperature : 450 °C (Standard Model) or 650 °C (High-Temp · Model).
- Highly-processed Aluminum Case offers Robust Standing, Easy Handling and **Usability on the Magnetic Stirrer.**
- Optional Remote Thermo Controllers are Available (Analog or Digital).
- **Nickel Chrome Heating Element - Coil Type : Acid-Resistant, Long Life Time.**
- **K-type Thermo Sensor** is Basically Embedded (except Fabric Mantles) which Enables Precise Control of the Mantles when used Together with Remote Digital Controller.
- Feedback Temperature Control is Supported with Remote Digital Controller.
- **External Thermo Sensor is available**, which Enables Precise Control of the Temperature of Liquid Sample in the Vessel when used Together with Remote Digital Controller.



“witeg” **WisTherm**[®] **WHM** Aluminum-case Heating Mantles with Controller

Nickel Chrome Heating Element, Built-in Temperature Controller, for Spherical Flask, 50~20.000 ml, 450 °C

- Full Choices of Vessel, Capacity, Housing and Control are Offered!
- **Nickel Chrome Heating Element - Coil Type**
: Acid-Resistant, Long Life Time
- Built-in Temperature Controller
- All Kinds of Round Flasks can be used - DURAN/Kimax/Pyrex/Iwaki
- CE Certified

Catalog No.		Flask Capacity (ml)	Flask Dia. ϕ (mm)	Watts (W)	Inside Depth (mm)	Mantle Outside $\phi \times H$ (mm)	Support Rod $\phi \times H$ (mm)	Application (Flask-brand)
with 230 V	with 110 V							
DH.WHM12010	DH.WHM12020	50	49 ~ 52	80	40	ϕ 145 \times H 140	ϕ 13 \times H 440	Common-Use
DH.WHM12011	DH.WHM12021	100	63 ~ 66	80	40	ϕ 145 \times H 140	ϕ 13 \times H 440	Common-Use
DH.WHM12012	DH.WHM12022	250	83 ~ 86	140	50	ϕ 145 \times H 140	ϕ 13 \times H 440	Common-Use
DH.WHM12013	DH.WHM12023	500	102 ~ 105	240	65	ϕ 190 \times H 165	ϕ 13 \times H 440	Common-Use
DH.WHM12014	DH.WHM12024	1.000	130 ~ 133	350	75	ϕ 190 \times H 165	ϕ 13 \times H 440	Common-Use
DH.WHM12015	DH.WHM12025	2.000	165 ~ 169	450	100	ϕ 270 \times H 200	ϕ 13 \times H 660	for DU./Iw.
DH.WHM120151	DH.WHM120251	2.000	161 ~ 164	450	100	ϕ 270 \times H 200	ϕ 13 \times H 660	for Ki./Py.
DH.WHM12016	DH.WHM12026	3.000	184 ~ 187	550	105	ϕ 270 \times H 200	ϕ 13 \times H 660	for DU./Ki.
DH.WHM12017	DH.WHM12027	5.000	221 ~ 224	800	131	ϕ 325 \times H 226	ϕ 13 \times H 800	Common-Use
DH.WHM12018	DH.WHM12028	6.000	234 ~ 237	800	131	ϕ 325 \times H 226	ϕ 13 \times H 800	for DU./Ki.
DH.WHM12019	DH.WHM12029	10.000 ☆	278 ~ 282	1.400	150	ϕ 390 \times H 240	ϕ 13 \times H 800	for DU.
DH.WHM12070	DH.WHM12071	20.000 ☆	344 ~ 348	2.000	200	ϕ 470 \times H 260	ϕ 13 \times H 800	for DU.

☆-Marked 10.000 ml & 20.000 ml Mantle Steel-case / Magnetic Stirring is not Available ✱ Remarks : DU.: DURAN Ki.: Kimax Iw.: Iwaki Py.: Pyrex



“witeg” **WisTherm**[®] **WHM** Aluminum-case Stirrer Heating Mantles with Controller

Nickel Chrome Heating Element, Stirring & Temperature Controller, for Spherical Flask, 50~6.000 ml, 450 °C, 50~750 rpm

- Full Choices of Vessel, Capacity, Housing and Control are Offered!
- **Nickel Chrome Heating Element - Coil Type**
: Acid-Resistant, Long Life Time
- Built-in Temperature Controller
- All Kinds of Round Flasks can be used - DURAN/Kimax/Pyrex/Iwaki
- CE Certified

Catalog No.		Flask Capacity (ml)	Flask Dia. ϕ (mm)	Watts (W)	Inside Depth (mm)	Mantle Outside $\phi \times H$ (mm)	Support Rod $\phi \times H$ (mm)	Application (Flask-brand)
with 230 V	with 110 V							
DH.WHM12030	DH.WHM12040	50	49 ~ 52	80	40	ϕ 145 \times H 140	ϕ 13 \times H 440	Common-use
DH.WHM12031	DH.WHM12041	100	63 ~ 66	80	40	ϕ 145 \times H 140	ϕ 13 \times H 440	Common-use
DH.WHM12032	DH.WHM12042	250	83 ~ 86	140	50	ϕ 145 \times H 140	ϕ 13 \times H 440	Common-use
DH.WHM12033	DH.WHM12043	500	102 ~ 105	240	65	ϕ 190 \times H 165	ϕ 13 \times H 440	Common-use
DH.WHM12034	DH.WHM12044	1.000	130 ~ 133	350	75	ϕ 190 \times H 165	ϕ 13 \times H 440	Common-use
DH.WHM12035	DH.WHM12045	2.000	165 ~ 169	450	100	ϕ 270 \times H 200	ϕ 13 \times H 660	for DU/Iw.
DH.WHM120351	DH.WHM120451	2.000	161 ~ 164	450	100	ϕ 270 \times H 200	ϕ 13 \times H 660	for Ki/Py.
DH.WHM12036	DH.WHM12046	3.000	184 ~ 187	550	105	ϕ 270 \times H 200	ϕ 13 \times H 660	for DU/Ki.
DH.WHM12037	DH.WHM12047	5.000	221 ~ 224	800	131	ϕ 325 \times H 226	ϕ 13 \times H 800	Common-use
DH.WHM12038	DH.WHM12048	6.000	234 ~ 237	800	131	ϕ 325 \times H 226	ϕ 13 \times H 800	for DU/Ki.

✱ 2 pcs of PTFE Magnetic Stirrer Bars Offered : Oval-Type, ϕ 6,0 \times L 15 mm (CW.001.615) and ϕ 10 \times L25 mm (CW.001.625.10) one each

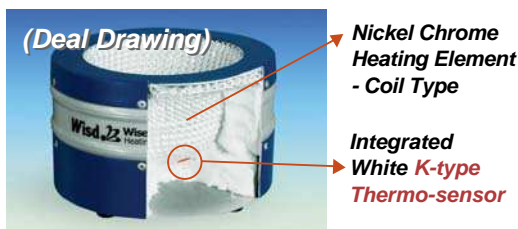
✱ Remarks : DU.: DURAN Ki.: Kimax Iw.: Iwaki Py.: Pyrex
✱ Available for "Iwaki" Flask 3.000 ml

“witeg” WiseTherm® WHM Aluminum-Case Heating Mantles, 450 °C, 50 ~ 6.000 ml
 Nickel Chrome Heating Element, Can be used with Magnetic Stirrers, for Spherical Flask, K-type Thermo-Sensor Integrated

- Full Choices of Vessel, Capacity, Housing and control are offered !
- Highly-processed Aluminum Case Offers Robust Standing, Easy Handling and **Usability on the Magnetic Stirrer**
- Optional Remote Thermo Controllers are Available (Analog : **WHM-C10A**, Digital : **WHM-C10D**)
- **Nickel Chrome Heating Element - Coil Type** : Acid-Resistant, Long Life Time
- **K-type Thermo Sensor** is Basically Embedded
- CE Certified

Catalog No.		Flask Capacity (ml)	Flask Dia. φ(mm)	Watts (W)	Inside Depth (mm)	Mantle Outside φ × H (mm)	Support Rod φ × H (mm)	Application (Flask-brand)
with 230 V	with 110 V							
DH.WHM12050	DH.WHM12060	50	49 ~ 52	80	48	φ 145 × H 75	φ 13 × H 440	Common-use
DH.WHM12051	DH.WHM12061	100	63 ~ 66	80	50	φ 145 × H 75	φ 13 × H 440	Common-use
DH.WHM12052	DH.WHM12062	250	83 ~ 86	140	50	φ 145 × H 75	φ 13 × H 440	Common-use
DH.WHM12053	DH.WHM12063	500	102 ~ 105	240	85	φ 190 × H 110	φ 13 × H 440	Common-use
DH.WHM12054	DH.WHM12064	1.000	130 ~ 133	350	85	φ 190 × H 110	φ 13 × H 440	Common-use
DH.WHM12055	DH.WHM12065	2.000	165 ~ 169	450	110	φ 270 × H 135	φ 13 × H 660	for DU/Iw.
DH.WHM120551	DH.WHM120651	2.000	161 ~ 164	450	110	φ 270 × H 135	φ 13 × H 660	for Ki/Py.
DH.WHM12056	DH.WHM12066	3.000	184 ~ 187	550	110	φ 270 × H 135	φ 13 × H 660	for DU/Ki.
DH.WHM12057	DH.WHM12067	5.000	221 ~ 224	800	140	φ 325 × H 165	φ 13 × H 800	Common-use
DH.WHM12058	DH.WHM12068	6.000	234 ~ 237	800	140	φ 325 × H 165	φ 13 × H 800	for DU/Ki.

※ Remarks : DU. : DURAN Ki. : Kimax Iw. : Iwaki Py. : Pyrex



Realize Precise Temperature Control by integrated K-type Thermo-sensor



Analog Compact Controller & Digital Feedback Controller (Optional, See page 62)



“witeg” WiseTherm® WHM Large Capacity Steel Case Heating Mantles, 450 °C, 10 ~ 100 Lit
 Nickel Chrome Heating Element, for Spherical Flask, K-type Thermo-sensor Integrated

- Full Choices of Vessel, Capacity, Housing and Control are offered !
- **Nickel Chrome Heating Element - Coil Type** : Acid-resistant, Long Life Time
- Steel Case : Magnetic Stirring is not available
- Optional Remote Thermo Controllers are Available (Analog : **WHM-C10A**, Digital : **WHM-C10D**)
- **K-type Thermo Sensor** is Basically Embedded
- CE Certified

Catalog No.		Flask Capacity (Lit.)	Flask Dia. φ(mm)	Watts (W)	Inside Depth (mm)	Mantle Outside φ × H (mm)	Support Rod φ × H (mm)	Application (Flask-brand)
with 230 V	with 110 V							
DH.WHM12073	DH.WHM12083	10	278 ~ 282	1.400	160	φ 390 × H 240	φ 13 × H 800	for DU.
DH.WHM12074	DH.WHM12084	20	344 ~ 348	2.000	200	φ 470 × H 260	φ 13 × H 800	for DU.
DH.WHM12075	DH.WHM12085	50	489 ~ 494	4.000	282	φ 680 × H 360	φ 13 × H 800	Common-use
DH.WHM12076	DH.WHM12086	100	609 ~ 614	6.000	350	φ 840 × H 440	n/a	Common-use

※ Remarks : DU. : DURAN Ki. : Kimax Iw. : Iwaki Py. : Pyrex

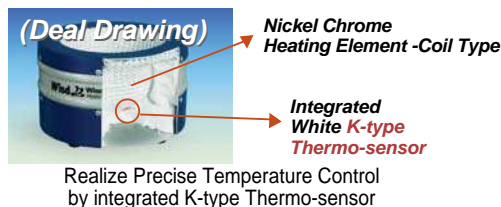
“witeg” **WiseTherm® WHM** High-Temperature Aluminum-case Heating Mantles, 650 °C, 100~10.000 ml Nickel Chrome Heating Element, Can be used with Magnetic Stirrers, for Spherical Flask, **K-type Thermo-sensor Integrated**

- Full Choices of Vessel, Capacity, Housing and Control are Offered !
- Highly-processed Aluminum Case Offers Robust Standing, Easy Handling and **Usability on the Magnetic Stirrer**
- Optional Remote Thermo Controllers are Available (Analog : **WHM-C10A**, Digital : **WHM-C10D**)
- **K-type Thermo Sensor** is Basically Embedded
- CE Certified

Catalog No.		Flask Capacity (ml)	Flask Dia. ϕ (mm)	Watts (W)	Inside Depth (mm)	Mantle Outside $\phi \times H$ (mm)	Support Rod $\phi \times H$ (mm)	Application (Flask-brand)
with 230 V	with 110 V							
DH.WHM12091	DH.WHM12101	100	63 ~ 66	120	50	ϕ 145 \times H 75	ϕ 13 \times H 440	Common-use
DH.WHM12092	DH.WHM12102	250	83 ~ 86	200	50	ϕ 145 \times H 75	ϕ 13 \times H 440	Common-use
DH.WHM12093	DH.WHM12103	500	102 ~ 105	350	85	ϕ 190 \times H 110	ϕ 13 \times H 440	Common-use
DH.WHM12094	DH.WHM12104	1.000	130 ~ 133	450	85	ϕ 190 \times H 110	ϕ 13 \times H 440	Common-use
DH.WHM12095	DH.WHM12105	2.000	165 ~ 169	600	110	ϕ 270 \times H 135	ϕ 13 \times H 660	for DU/lw.
DH.WHM120951	DH.WHM121051	2.000	161 ~ 164	600	110	ϕ 270 \times H 135	ϕ 13 \times H 660	for Ki/Py.
DH.WHM12096	DH.WHM12106	3.000	184 ~ 187	700	110	ϕ 270 \times H 135	ϕ 13 \times H 660	for DU/Ki.
DH.WHM12097	DH.WHM12107	5.000	221 ~ 224	1.200	140	ϕ 325 \times H 165	ϕ 13 \times H 800	Common-use
DH.WHM12098	DH.WHM12108	6.000	234 ~ 237	1.200	140	ϕ 325 \times H 165	ϕ 13 \times H 800	for DU/Ki.
DH.WHM12099	DH.WHM12109	10.000 ☆	278 ~ 282	1.800	160	ϕ 390 \times H 240	ϕ 13 \times H 800	for DU.

☆-Marked 10.000 ml Mantle Steel-case / Magnetic Stirring is not Available

● Option : Digital Feedback Controller or Analog Controller (See Page 62)



Analog Compact Controller & Digital Feedback Controller (Optional, See page 62)



“witeg” **WiseTherm® WHM** Fabric-Housed Heating Mantles, Self-Standing Nickel Chrome Heating Element, for Spherical Flask, 450 °C, 50 ~ 10.000 ml

- Full Choices of Vessel, Capacity, Housing and Control are Offered !
- **Nickel Chrome Heating Element - Coil Type**
: Acid-Resistant, Long Life Time
- Optional Remote Thermo Controllers are Available (Analog : **WHM-C10A**, Digital : **WHM-C10D**)
- CE Certified

Catalog No.		Flask Capacity (ml)	Flask Dia. ϕ (mm)	Watts (W)	Inside Depth (mm)	Mantle Outside $\phi \times H$ (mm)	Application (Flask-brand)
with 230 V	with 110 V						
DH.WHM12110	DH.WHM12120	50	49 ~ 52	80	30	ϕ 80 \times H 55	Common-use
DH.WHM12111	DH.WHM12121	100	63 ~ 66	80	40	ϕ 100 \times H 65	Common-use
DH.WHM12112	DH.WHM12122	250	83 ~ 86	140	50	ϕ 125 \times H 75	Common-use
DH.WHM12113	DH.WHM12123	500	102 ~ 105	240	60	ϕ 155 \times H 85	Common-use
DH.WHM12114	DH.WHM12124	1.000	130 ~ 133	350	75	ϕ 191 \times H 100	Common-use
DH.WHM12115	DH.WHM12125	2.000	165 ~ 169	450	95	ϕ 226 \times H 120	ideal for DU./Iwa.
DH.WHM121151	DH.WHM121251	2.000	161 ~ 164	450	95	ϕ 226 \times H 120	ideal for Kim./Py.
DH.WHM12116	DH.WHM12126	3.000	184 ~ 187	550	105	ϕ 255 \times H 130	ideal for DU./Kim.
DH.WHM12117	DH.WHM12127	5.000	221 ~ 224	800	130	ϕ 293 \times H 155	Common-use
DH.WHM12118	DH.WHM12128	6.000	234 ~ 237	800	135	ϕ 310 \times H 160	for DU./Kim.
DH.WHM12119	DH.WHM12129	10.000	278 ~ 282	1.400	160	ϕ 365 \times H 185	for DU.

● Option : Digital Feedback Controller or Analog Controller (See Page 62)

✱ Remarks : DU. : DURAN Ki. : Kimax lw. : Iwaki Py. : Pyrex

✱ Available for “Iwaki” Flask 3.000 ml

“witeg” **WiseTherm® WHM** Fabric Heating Mantle Tops, 450 °C Nickel Chrome Heating Element, For the Upper Half of 1- /2- /3- neck Flasks, Universal Type

- Full Choices of Vessel, Capacity, Housing and Control are Offered !
- **Nickel Chrome Heating Element - Coil Type**
: Acid-Resistant, Long Life Time
- Optional Remote Thermo Controllers are Available
(Analog : **WHM-C10A**, Digital : **WHM-C10D**)
- **External Thermo Sensor is (K-type) Available**, which enables Precise Control of the Temperature of Liquid Sample in the Vessel when used together with Remote Digital Controller
- Can be used with both Mantles of Fabric-case and Metal-case
- CE Certified

Catalog No.		Flask Capacity (ml)	Flask Dia. ϕ (mm)	Watts (W)	Inside Depth (mm)	Mantle Outside $\phi \times H$ (mm)	Application (Flask-brand)
with 230 V	with 110 V						
DH.WHM121301	DH.WHM121311	250	83 ~ 86	100	100	120	Common-use
DH.WHM121302	DH.WHM121312	500	102 ~ 105	140	140	140	Common-use
DH.WHM121303	DH.WHM121313	1.000	130 ~ 133	240	240	180	Common-use
DH.WHM121304	DH.WHM121314	2.000	165 ~ 169	350	350	220	Common-use
DH.WHM121305	DH.WHM121315	3.000	184 ~ 187	400	400	235	Common-use
DH.WHM121306	DH.WHM121316	5.000	221 ~ 224	550	550	275	Common-use
DH.WHM121307	DH.WHM121317	10.000	278 ~ 282	700	700	350	Common-use
DH.WHM121308	DH.WHM121318	20.000	344 ~ 348	1.600	1.600	430	Common-use
DH.WHM121309	DH.WHM121319	50.000	489 ~ 494	2.000	2.000	590	Common-use
DH.WHM121310	DH.WHM121320	100.000	609 ~ 614	4.000	4.000	730	Common-use

● Option : Digital Feedback Controller or Analog Controller (Analog : **WHM-C10A**, Digital : **WHM-C10D** / See page 62)



Analog Compact Controller & Digital Feedback Controller (Optional, See page 62)



“witeg” **WiseTherm® WHM** Pear-shape Flask Micro-Heating Mantles, 10~250 ml, 450 °C Nickel Chrome Heating Element

- Full Choices of Vessel, Capacity, Housing and Control are Offered !
- **Nickel Chrome Heating Element - Coil Type**
: Acid-Resistant, Long Life Time
- **External Thermo Sensor is (K-type) Available**, which enables Precise Control of the Temperature of Liquid Sample in the Vessel when used together with Remote Digital Controller
- CE Certified

Catalog No.	Flask Capacity (ml)	Flask Dia. ϕ (mm)	Watts & Voltage	Inside Depth (mm)	Mantle Outside $\phi \times H$ (mm)
DH.WHM12271	10	30 ~ 33	20 W, 30 V *	35	ϕ 45 \times H 40
DH.WHM12272	25	40 ~ 43	20 W, 60 V *	40	ϕ 60 \times H 50
DH.WHM12273	50	50 ~ 53	85 W, 60 V *	50	ϕ 70 \times H 60
DH.WHM12274	100	59 ~ 62	80 W, 110 V *	55	ϕ 90 \times H 70
DH.WHM12275	250	80 ~ 83	140 W, 110 V *	65	ϕ 120 \times H 80

※ Customized Vessel like Diameter (ϕ) \times Height (cm) or Inside Depth (mm) can be Offered
 ※ We recommend to use a matching power supply with 30 V, 60 V, or 110 V output.

“witeg” **Wisetherm**[®] **WHM** Aluminum-case Beaker Heating Mantles with Controller

Nickel Chrome Heating Element, Built-in Temperature Controller, 100 ~ 5.000 ml, 450 °C

- Full Choices of Vessel, Capacity, Housing and Control are Offered!
- **Nickel Chrome Heating Element - Coil Type**
: Acid-Resistant, Long Life Time
- Built-in Temperature Controller
- All Kinds of Round Flasks Can be used - DURAN/Kimax/Pyrex/Iwaki
- CE Certified

Catalog No.		Flask Capacity (ml)	Flask Dia. ϕ (mm)	Watts (W)	Inside Depth (mm)	Mantle Outside $\phi \times H$ (mm)	Support Rod $\phi \times H$ (mm)	Application (Flask-brand)
with 230 V	with 110 V							
DH.WHM12141	DH.WHM12151	100	50 ~ 52	80	40	ϕ 145 \times H 105	ϕ 13 \times H 440	Common-use
DH.WHM12142	DH.WHM12152	250	68 ~ 70	140	65	ϕ 145 \times H 140	ϕ 13 \times H 440	Common-use
DH.WHM12143	DH.WHM12153	400	79 ~ 81	240	70	ϕ 145 \times H 140	ϕ 13 \times H 440	for DU.
DH.WHM121431	DH.WHM121531	400	76 ~ 78	240	75	ϕ 145 \times H 140	ϕ 13 \times H 440	for Iw/Ki/Py.
DH.WHM12144	DH.WHM12154	600	88 ~ 90	240	75	ϕ 145 \times H 140	ϕ 13 \times H 440	Common-use
DH.WHM12145	DH.WHM12155	800	98 ~ 100	300	90	ϕ 190 \times H 165	ϕ 13 \times H 440	Common-use
DH.WHM12146	DH.WHM12156	1.000	105 ~ 108	350	90	ϕ 190 \times H 165	ϕ 13 \times H 440	Common-use
DH.WHM12147	DH.WHM12157	2.000	130 ~ 132	450	125	ϕ 270 \times H 200	ϕ 13 \times H 660	Common-use
DH.WHM12148	DH.WHM12158	3.000	151 ~ 153	550	160	ϕ 270 \times H 235	ϕ 13 \times H 660	for DU/Iw.
DH.WHM121481	DH.WHM121581	4.000	160 ~ 162	700	160	ϕ 270 \times H 235	ϕ 13 \times H 660	for Ki/Py.
DH.WHM12149	DH.WHM12159	5.000	169 ~ 171	800	160	ϕ 270 \times H 235	ϕ 13 \times H 660	for DU.

※ Remarks : DU. : DURAN Ki. : Kimax Iw. : Iwaki Py. : Pyrex



“witeg” **Wisetherm**[®] **WHM** Aluminum-case Stirrer Beaker Mantles with Controller

Nickel Chrome Heating Element, Stirring & Temperature Controller, 100 ~ 5.000 ml, 450 °C

- Full Choices of Vessel, Capacity, Housing and Control are Offered !
- **Nickel Chrome Heating Element - Coil Type**
: Acid-Resistant, Long Life Time
- Built-in Stirring & Temperature Controller
- All Kinds of Round Flasks Can be used - DURAN/Kimax/Pyrex/Iwaki
- CE Certified

Catalog No.		Flask Capacity (ml)	Flask Dia. ϕ (mm)	Watts (W)	Inside Depth (mm)	Mantle Outside $\phi \times H$ (mm)	Support Rod $\phi \times H$ (mm)	Application (Flask-brand)
with 230 V	with 110 V							
DH.WHM121601	DH.WHM121611	100	50 ~ 52	80	45	ϕ 145 \times H140	ϕ 13 \times H440	Common-use
DH.WHM121602	DH.WHM121612	250	68 ~ 70	140	70	ϕ 190 \times H165	ϕ 13 \times H440	Common-use
DH.WHM121603	DH.WHM121613	400	79 ~ 81	240	70	ϕ 190 \times H165	ϕ 13 \times H440	for DU.
DH.WHM121604	DH.WHM121614	400	76 ~ 78	240	70	ϕ 190 \times H165	ϕ 13 \times H440	for Iw/Ki/Py.
DH.WHM121605	DH.WHM121615	600	88 ~ 90	240	72	ϕ 190 \times H165	ϕ 13 \times H440	Common-use
DH.WHM121606	DH.WHM121616	1.000	105 ~ 108	350	105	ϕ 270 \times H200	ϕ 13 \times H440	Common-use
DH.WHM121607	DH.WHM121617	2.000	130 ~ 132	450	140	ϕ 270 \times H235	ϕ 13 \times H660	Common-use
DH.WHM121608	DH.WHM121618	3.000	151 ~ 153	550	140	ϕ 270 \times H235	ϕ 13 \times H660	for DU/Iw.
DH.WHM121609	DH.WHM121619	4.000	160 ~ 162	700	170	ϕ 325 \times H270	ϕ 13 \times H660	for Ki/Py.
DH.WHM121610	DH.WHM121620	5.000	169 ~ 171	800	170	ϕ 325 \times H270	ϕ 13 \times H660	for DU.

※ 2 pcs of PTFE Magnetic Stirrer Bar Offered : Oval-type, ϕ 6,0 \times L 15 mm (CW.001.615) and ϕ 10 \times L25 mm (CW.001.625.10) one each

※ Remarks : DU. : DURAN Ki. : Kimax Iw. : Iwaki Py. : Pyrex

“witeg” WiseTherm® WHM Aluminum-case Beaker Heating Mantles, 450 °C

Nickel Chrome Heating Element, Can be used with Magnetic Stirrers, K-type Thermo-sensor Integrated, 100 ~ 10.000 ml

- Full Choices of Vessel, Capacity, Housing and Control are Offered !
- Highly-processed Aluminum Case Offers Robust Standing, Easy Handling and **Usability on the Magnetic Stirrer**
- Optional Remote Thermo Controllers are Available (Analog : WHM-C10A, Digital : WHM-C10D)
- **Nickel Chrome Heating Element - Coil Type : Acid-Resistant, Long Life Time**
- **K-type Thermo Sensor** is Basically Embedded
- CE Certified

Catalog No.		Flask Capacity (ml)	Flask Dia. φ (mm)	Watts (W)	Inside Depth (mm)	Mantle Outside φ × H (mm)	Support Rod φ × H (mm)	Application (Flask-brand)
with 230 V	with 110 V							
DH.WHM12170	DH.WHM12180	100	50 ~ 52	80	50	φ 145 × H 75	φ 13 × H 440	Common-use
DH.WHM12171	DH.WHM12181	250	68 ~ 70	140	50	φ 145 × H 75	φ 13 × H 440	Common-use
DH.WHM12172	DH.WHM12182	400	79 ~ 81	240	85	φ 145 × H 110	φ 13 × H 440	for DU.
DH.WHM121721	DH.WHM121821	400	76 ~ 78	240	85	φ 145 × H 110	φ 13 × H 440	for lw/Ki/Py.
DH.WHM12173	DH.WHM12183	600	88 ~ 90	240	85	φ 145 × H 110	φ 13 × H 440	Common-use
DH.WHM12174	DH.WHM12184	800	98 ~ 100	300	90	φ 145 × H 110	φ 13 × H 440	Common-use
DH.WHM12175	DH.WHM12185	1.000	105 ~ 108	350	115	φ 145 × H 140	φ 13 × H 440	Common-use
DH.WHM12176	DH.WHM12186	2.000	130 ~ 132	450	140	φ 190 × H 165	φ 13 × H 660	Common-use
DH.WHM12177	DH.WHM12187	3.000	151 ~ 153	550	175	φ 270 × H 200	φ 13 × H 660	for DU/lw.
DH.WHM12178	DH.WHM12188	4.000	160 ~ 162	700	175	φ 270 × H 200	φ 13 × H 660	for Ki/Py.
DH.WHM12179	DH.WHM12189	5.000	169 ~ 171	800	175	φ 270 × H 200	φ 13 × H 660	for DU.
DH.WHM121791	DH.WHM121891	10.000 ☆	216 ~ 219	1.400	245	φ 325 × H 270	φ 13 × H 660	for DU.

☆-Marked 10.000 ml Mantle Steel-case / Magnetic Stirring is not available

● Option : Digital Feedback Controller or Analog Controller (Analog : WHM-C10A, Digital : WHM-C10D / See page 62)



Analog Compact Controller & Digital Feedback Controller (Optional, See page 62)



Nickel Chrome Heating Element - Coil Type

Integrated White K-type Thermo-sensor

Realize Precise Temperature Control by Integrated K-type Thermo-sensor



“witeg” WiseTherm® WHM Fabric-Housed Beaker Heating Mantles, 450 °C

Nickel Chrome Heating Element, for Beakers, Self-Standing 50 ~ 5.000 ml

- Full Choices of Vessel, Capacity, Housing and Control are Offered !
- **Nickel Chrome Heating Element - Coil Type : Acid-Resistant, Long Life Time**
- Optional Remote Thermo Controllers are Available (Analog : WHM-C10A, Digital : WHM-C10D)
- CE Certified

Catalog No.		Flask Capacity (ml)	Flask Dia. φ (mm)	Watts (W)	Inside Depth (mm)	Mantle Outside φ × H (mm)	Support Rod φ × H (mm)	Application (Flask-brand)
with 230V	with 110V							
DH.WHM12190	DH.WHM12200	50	41 ~ 43	80	40	φ 80 × H 65	φ 13 × H 440	Common-use
DH.WHM12191	DH.WHM12201	100	50 ~ 52	80	50	φ 90 × H 75	φ 13 × H 440	Common-use
DH.WHM12192	DH.WHM12202	250	68 ~ 70	40	60	φ 110 × H 85	φ 13 × H 440	Common-use
DH.WHM12193	DH.WHM12203	400	79 ~ 81	40	80	φ 120 × H 105	φ 13 × H 440	for DU.
DH.WHM121931	DH.WHM122031	400	76 ~ 78	40	80	φ 120 × H 105	φ 13 × H 440	for lw/Ki/Py.
DH.WHM12194	DH.WHM12204	600	88 ~ 90	40	95	φ 130 × H 115	φ 13 × H 440	Common-use
DH.WHM12195	DH.WHM12205	800	98 ~ 100	300	95	φ 130 × H 115	φ 13 × H 440	Common-use
DH.WHM12196	DH.WHM12206	1.000	105 ~ 108	350	110	φ 160 × H 135	φ 13 × H 660	Common-use
DH.WHM12197	DH.WHM12207	2.000	130 ~ 132	450	150	φ 190 × H 175	φ 13 × H 660	Common-use
DH.WHM12198	DH.WHM12208	3.000	151 ~ 153	550	170	φ 220 × H 195	φ 13 × H 660	for DU/lw.
DH.WHM121981	DH.WHM122081	4.000	160 ~ 162	700	180	φ 240 × H 225	φ 13 × H 660	for Ki/Py.
DH.WHM12199	DH.WHM12209	5.000	169 ~ 171	800	200	φ 220 × H 205	φ 13 × H 660	for DU.

● Option : Digital Feedback Controller or Analog Controller (Analog : WHM-C10A, Digital : WHM-C10D / See page 62)

※ Remarks : DU. : DURAN Ki. : Kimax lw. : lwaki Py. : Pyrex

“witeg” **Wisetherm® WHM** Reaction Vessel Heating Mantles, 450 °C

Aluminum Exterior with Fabric Interior, for Cylindrical, **K-type Thermo-sensor Integrated**, 0,5 ~ 100 Lit

- Full Choices of Vessel, Capacity, Housing and Control are Offered !
- Highly-processed Aluminum Case Offers Robust Standing, Easy Handling and **Usability on the Magnetic Stirrer**
- **Nickel Chrome Heating Element - Coil Type**
: **Acid-Resistant, Long Life Time**
- Optional Remote Thermo Controllers are available (Analog : **WHM-C10A**, Digital : **WHM-C10D**)
- **K-type Thermo Sensor** is Basically Embedded (Except Fabric Mantles) which Enables Precise Control of the Mantles when used together with Remote Digital Controller
- **External Thermo Sensor is Available**, which Enables Precise Control of the Temperature of Liquid Sample in the Vessel when used together with Remote Digital Controller
- CE Certified



Realize Precise Temperature Control by Integrated K-type Thermo-sensor

Analog Compact Controller & Digital Feedback Controller (Optional, See page 62)



With Aluminum Case, 0,5~10 Lit., Can be used with Magnetic Stirrers

Catalog No.		Flask Capacity (ml)	Flask Dia. ϕ (cm)	Watts (W)	Inside Depth (mm)	Mantle Outside $\phi \times H$ (mm)	Support Rod $\phi \times H$ (mm)
with 230 V	with 110 V						
DH.WHM12211	DH.WHM12221	500	ϕ 11 \times H 10	240	80	ϕ 145 \times H 105	ϕ 13 \times H 660
DH.WHM12212	DH.WHM12222	1.000	ϕ 11 \times H 15	350	115	ϕ 145 \times H 140	ϕ 13 \times H 660
DH.WHM12213	DH.WHM12223	2.000	ϕ 13 \times H 19	450	140	ϕ 190 \times H 165	ϕ 13 \times H 660
DH.WHM12214	DH.WHM12224	3.000	ϕ 13 \times H 28	550	210	ϕ 270 \times H 235	ϕ 13 \times H 800
DH.WHM12215	DH.WHM12225	5.000	ϕ 16 \times H 29	800	210	ϕ 270 \times H 235	ϕ 13 \times H 800
DH.WHM12216	DH.WHM12226	6.000	ϕ 21,5 \times H 24	800	210	ϕ 270 \times H 235	ϕ 13 \times H 800
DH.WHM122161	DH.WHM122261	7.000	ϕ 21,5 \times H 25	850	210	ϕ 270 \times H 235	ϕ 13 \times H 800
DH.WHM12217	DH.WHM12227	10.000	ϕ 21,5 \times H 33	1.400	245	ϕ 325 \times H 270	ϕ 13 \times H 800
DH.WHM122171	DH.WHM122271	10.000	ϕ 24 \times H 31	1.400	245	ϕ 325 \times H 270	ϕ 13 \times H 800

● Option : Digital Feedback Controller or Analog Controller (Analog : **WHM-C10A**, Digital : **WHM-C10D** / See page 62)

With Steel Case, 20~100 Lit., Not available to use with Magnetic Stirrers

Catalog No.		Flask Capacity (Lit.)	Flask Dia. ϕ (cm)	Watts (kW)	Inside Depth (mm)	Mantle Outside $\phi \times H$ (mm)	Support Rod $\phi \times H$ (mm)
with 230V	with 110V						
DH.WHM12218	DH.WHM12228	20	ϕ 27 \times H 45	2	360	ϕ 390 \times H 410	ϕ 13 \times H 800
DH.WHM122181	DH.WHM122281	20	ϕ 29 \times H 42	2	360	ϕ 390 \times H 410	ϕ 13 \times H 800
DH.WHM12219	DH.WHM12229	50	ϕ 31,5 \times H 81	4	720	ϕ 470 \times H 800	ϕ 13 \times H 800
DH.WHM12220	DH.WHM12230	100	ϕ 41,5 \times H 91	6	800	ϕ 570 \times H 900	ϕ 13 \times H 800

● Option : Digital Feedback Controller or Analog Controller (Analog : **WHM-C10A**, Digital : **WHM-C10D** / See page 62)

※ Customized Vessel like Diameter (ϕ) \times Height (cm) or Inside Depth (mm) can be Offered

“witeg” **WisTherm® WHM** Reaction Vessel Heating Mantle with Bottom-Outlet Nickel Chrome Heating Element, for Cylindrical, K-type Thermo-sensor Integrated, 0,5 ~ 100 Lit. 450 °C

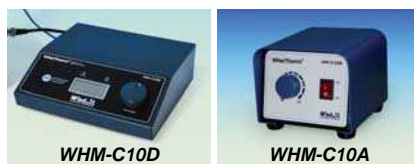
- Full Choices of Vessel, Capacity, Housing and Control are Offered !
- **Nickel Chrome Heating Element - Coil Type**
 : Acid-Resistant, Long Life Time
- Optional Remote Thermo Controllers are available
 (Analog : **WHM-C10A**, Digital : **WHM-C10D**)
- CE Certified
- **K-type Thermo Sensor** is Basically Embedded (Except Fabric Mantles) which Enables Precise Control of the Mantles when used together with Remote Digital Controller
- **External Thermo Sensor is Available**, which Enables Precise Control of the Temperature of Liquid Sample in the Vessel when used together with Remote Digital Controller



Nickel Chrome Heating Element - Coil Type
 Integrated White K-type Thermo-sensor (Deal Drawing)

Realize Precise Temperature Control by Integrated K-type Thermo-sensor

Analog Compact Controller & Digital Feedback Controller (Optional, See page 62)



With Aluminum Case, 0.5~10 Lit.

Catalog No.		Flask Capacity (ml)	Flask Dia. ϕ (cm)	Watts (W)	Inside Depth (mm)	Mantle Outside $\phi \times H$ (mm)	Bottom Outlet (Hole) L \times w (mm)	Support Rod $\phi \times H$ (mm)
with 230 V	with 110 V							
DH.WHM12231	DH.WHM12241	500	$\phi 11 \times H10$	240	80	$\phi 145 \times H 105$	L 72 \times w 40	$\phi 13 \times H 660$
DH.WHM12232	DH.WHM12242	1.000	$\phi 11 \times H15$	350	115	$\phi 145 \times H 140$	L 72 \times w 40	$\phi 13 \times H 660$
DH.WHM12233	DH.WHM12243	2.000	$\phi 13 \times H19$	450	140	$\phi 190 \times H 165$	L 72 \times w 40	$\phi 13 \times H 800$
DH.WHM12234	DH.WHM12244	3.000	$\phi 13 \times H28$	550	210	$\phi 270 \times H 235$	L 120 \times w 70	$\phi 13 \times H 800$
DH.WHM12235	DH.WHM12245	5.000	$\phi 16 \times H29$	800	210	$\phi 270 \times H 235$	L 120 \times w 70	$\phi 13 \times H 800$
DH.WHM12236	DH.WHM12246	6.000	$\phi 21,5 \times H24$	800	210	$\phi 270 \times H 235$	L 120 \times w 70	$\phi 13 \times H 800$
DH.WHM122361	DH.WHM122461	7.000	$\phi 21,5 \times H25$	850	210	$\phi 270 \times H 235$	L 120 \times w 70	$\phi 13 \times H 800$
DH.WHM12237	DH.WHM12247	10.000	$\phi 21,5 \times H33$	1.400	250	$\phi 325 \times H 270$	L 120 \times w 70	$\phi 13 \times H 800$
DH.WHM122371	DH.WHM122471	10.000	$\phi 24 \times H31$	1.400	250	$\phi 325 \times H 270$	L 120 \times w 70	$\phi 13 \times H 800$

● Option : Digital Feedback Controller or Analog Controller (Analog : **WHM-C10A**, Digital : **WHM-C10D** / See page 62)

With Steel Case, 20~100 Lit., Not available to use with Magnetic Stirrers

Catalog No.		Flask Capacity (Lit.)	Flask Dia. ϕ (cm)	Watts (kW)	Inside Depth (mm)	Mantle Outside $\phi \times H$ (mm)	Bottom Outlet (Hole) L \times w (mm)	Support Rod $\phi \times H$ (mm)
with 230 V	with 110 V							
DH.WHM12238	DH.WHM12248	20	$\phi 27 \times H45$	2	360	$\phi 390 \times H 410$	L 120 \times w 70	$\phi 13 \times H 800$
DH.WHM122381	DH.WHM122481	20	$\phi 29 \times H42$	2	360	$\phi 390 \times H 410$	L 120 \times w 70	$\phi 13 \times H 800$
DH.WHM12239	DH.WHM12249	50	$\phi 31,5 \times H81$	4	720	$\phi 470 \times H 800$	L 120 \times w 70	$\phi 13 \times H 800$
DH.WHM12240	DH.WHM12250	100	$\phi 41,5 \times H91$	6	800	$\phi 570 \times H 850$	L 120 \times w 70	$\phi 13 \times H 800$

● Option : Digital Feedback Controller or Analog Controller (Analog : **WHM-C10A**, Digital : **WHM-C10D** / See page 62)

※ Customized Vessel Like Diameter (ϕ) \times Height (cm) or Inside Depth (mm) can be Offered

“witeg” **WiseTherm® WHM** Aluminum-case **Stirrer** Reaction Vessel Heating Mantles with Controller Nickel Chrome Heating Element, Stirring & Temperature Controllers, For Cylindrical, 500 ~ 7.000 ml, 450 °C

- Full Choices of Vessel, Capacity, Housing and Control are Offered !
- **Nickel Chrome Heating Element - Coil Type**
: Acid-Resistant, Long Life Time
- CE Certified
- **External Thermo Sensor is (K-type) Available**, which Enables Precise Control of the Temperature of Liquid Sample in the Vessel when used together with Remote Digital Controller

Catalog No.		Flask Capacity (ml)	Flask Dia. ϕ (cm)	Watts (W)	Inside Depth (mm)	Mantle Outside $\phi \times H$ (mm)	Support Rod $\phi \times H$ (mm)
with 230 V	with 110 V						
DH.WHM722100	DH.WHM12210A	500	ϕ 11×H 10	240	72	ϕ 190×H 165	ϕ 13×H 660
DH.WHM722101	DH.WHM12210B	1.000	ϕ 11×H 15	350	107	ϕ 270×H 200	ϕ 13×H 660
DH.WHM722102	DH.WHM12210C	2.000	ϕ 13×H 19	450	142	ϕ 270×H 235	ϕ 13×H 660
DH.WHM722103	DH.WHM12210D	3.000	ϕ 13×H 28	550	177	ϕ 325×H 270	ϕ 13×H 800
DH.WHM722104	DH.WHM12210E	5.000	ϕ 16×H 29	800	177	ϕ 325×H 270	ϕ 13×H 800
DH.WHM722105	DH.WHM12210F	6.000	ϕ 21,5×H 24	800	177	ϕ 325×H 270	ϕ 13×H 800
DH.WHM722106	DH.WHM12210G	7.000	ϕ 21,5×H 25	850	177	ϕ 325×H 270	ϕ 13×H 800



Analog Compact Controller & Digital Feedback Controller (Optional, See page 62)



“witeg” **WiseTherm® WHM** Fabric-Housed Reaction Vessel Mantles Nickel Chrome Heating Element, for Cylindrical 0,5 ~ 7 Lit, 450 °C

- Full Choices of Vessel, Capacity, Housing and Control are Offered !
- **Nickel Chrome Heating Element - Coil Type**
: Acid-Resistant, Long Life Time
- Optional Remote Thermo Controllers are Available (Analog : **WHM-C10A**, Digital : **WHM-C10D**)
- **External Thermo Sensor is (K-type) Available**, which Enables Precise Control of the Temperature of Liquid Sample in the Vessel when used together with Remote Digital Controller
- CE Certified

Catalog No.		Vessel Capacity (ml)	Vessel dia. $\phi \times$ height (cm)	Watts (W)	Inside Depth (mm)	Mantle Outside $\phi \times H$ (mm)
with 230 V	with 110 V					
DH.WHM12251	DH.WHM12261	500	ϕ 11×H 10	240	75	ϕ 160×H 100
DH.WHM12252	DH.WHM12262	1.000	ϕ 11×H 15	350	115	ϕ 160×H 140
DH.WHM12253	DH.WHM12263	2.000	ϕ 13×H 19	450	145	ϕ 185×H 165
DH.WHM12254	DH.WHM12264	3.000	ϕ 13×H 28	550	210	ϕ 185×H 235
DH.WHM12255	DH.WHM12265	4.000	ϕ 16×H 26	700	210	ϕ 220×H 235
DH.WHM12256	DH.WHM12266	5.000	ϕ 16×H 29	800	210	ϕ 220×H 235
DH.WHM12257	DH.WHM12267	6.000	ϕ 21,5×H 24	800	210	ϕ 290×H 235
DH.WHM12258	DH.WHM12268	7.000	ϕ 21,5×H 25	850	210	ϕ 290×H 235

● Option : Digital Feedback Controller or Analog Controller (Analog : **WHM-C10A**, Digital : **WHM-C10D** / See page 62)

“witeg” WiseTherm® WHM Analog Aluminum-case Multi Heating Mantles, with 3 & 6 Places
 Built-in Analog Controller, Lower Profile, Indel for Extracting · Refluxing · Distilling Applications, 250~1.000 ml, 450 °C

- Lower Profile for Space-saving Convenience
- Ideal for Repetitive Extracting(Kjeldahl, Soxhlet, and other Extraction Procedure), Refluxing and Distilling Laboratory Applications
- Analog Controller Built-in System
- Rods and Clamps are Offered as Standard
- Ideal for DURAN/Kimax /Pyrex & Iwaki-brand Round Flasks
- Highly-processed Aluminum Case Offers Robust Standing, Easy Handling
- **Nickel Chrome Heating Element - Coil Type**
 : Acid-Resistant, Long Life Time
- CE Certified

Premium Analog Multi Heating Mantles

Highly-processed Aluminum Case
 Nickel Chrome Heating Element



6 places Analog Multi Heating Mantle, 250 ml, 300 ml & 500 ml, 450 °C

Catalog No.		Flask Capacity (ml)	Flask		Watts(W)	Inside Depth (mm)	Dimension W×D×H (mm)
with 230V	with 110V		Max. Dia. φ (mm)	Bottom			
DH.WHM12291	DH.WHM12292	250/300	83 ~ 86	Flat	840	50	800×240×110
DH.WHM12293	DH.WHM12294	250/300	83 ~ 86	Round	840	50	800×240×110
DH.WHM12295	DH.WHM12296	500	102 ~ 105	Round	1.440	65	950×270×130

3 places Analog Multi Heating Mantle, 500 ml & 1.000 ml, 450 °C

Catalog No.		Flask Capacity (ml)	Flask		Watts(W)	Inside Depth (mm)	Dimension W×D×H (mm)
with 230V	with 110V		Max. Dia. φ (mm)	Bottom			
DH.WHM12391	DH.WHM12392	500	102 ~ 105	Round	720	65	550×270×130
DH.WHM12393	DH.WHM12394	1.000	130 ~ 133	Round	1.050	75	690×340×170

※ Remarks : DU. : DURAN Ki. : Kimax Iw. : Iwaki Py. : Pyrex

“witeg” **WiseTherm® WHM-C10A** Analog Compact Temperature Controller

Economical Controller for All-Purpose Heating Instruments, Solid State, Proportional Voltage Power Control (5~100 %)



Analog Compact Controller (WHM - C10A)

- Small Footprint, Compact Analog Temperature Controller
- Precise Manual Control of Heating Mantles, Tapes, Cords and Other Resistive Loads up to 1,2 kW
- CE Certified

Application & Features

- * Small Footprint, Compact Analog Temperature Controller.
- * Safe and Durable Design.
- * Solid state, Proportional Voltage Power Control. (5~100 % or Rated Voltage)
- * Precise Manual Control of Heating Mantles, Tapes, Cords and Other Resistive Loads up to 1,2 kW.
- * CE Certified.

Specification

Model	WHM-C10A
Control Range	5~100 % of Rated Voltage
Controller	Analog Phase Controller
Control Capacity	Up to 1,2 kW
Dimension (w×d×h) (mm)	160×128×145
Weight	1 kg
Others	CE Certified
Packing Dimension (w×d×h) (mm)	190×160×130
Gross Weight	2 kg
Power plug type	Hybrid E+F
Power Supply*	AC 230 V, 50 / 60 Hz

* Other Specifications are available upon Customer's Request.

Ordering Information

DH.WHM13500 All-Purpose Analog Controller, **WHM-C10A**,
5~100 % of Rated Voltage, for up to 1,2 kW Heating Instruments



Example of Heating Mantle Set with the Analog Controller

“witeg” **WiseTherm® WHM-C10D** Digital Feedback Temperature Controller

with External Direct Contact Temperature Sensor(Optional), for All-purpose Heating Instruments



Digital Feedback Controller (WHM-C10D)

- User's Self-compensation Function :
to Control Difference Between Real Temp. and Indicated Temp. ($\pm 10,0$ °C)
- Patented Jog-Shuttle Control System ■ CE Certified

Application & Features

- * Digital Feedback Control by High-Performance Microprocessor.
- * Digital LCD Display with Back-Light Function.
- * Small Footprint and User-Friendly Design.
- * Heating Instruments can be controlled up to 2 kW.
- * Accurate Temp.Control of the Liquid in the Vessel using Optional Direct K-type Sensor.
- * User's Self-compensation Function :
to Control Difference Between Real Temp. and Indicated Temp. ($\pm 10,0$ °C)
- * Storage function, Timer, Alarm & Locking Mode.
- * Patented Jog-Shuttle Control System.
- * CE Certified.

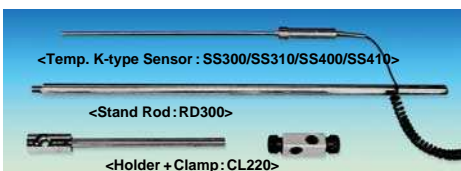
Specification

Model	WHM-C10D	
Temp.	Range	Ambient +5 ~ 750 °C
	Accuracy	± 1 °C at Set Temperature
Temp. Control Resolution		1 °C
Controller		Digital Feedback Controller with Jog Shuttle Switch (Turn+Push)
Control Capacity		Up to 2 kW
Display		Digital LCD Display with Back Light Function (Temp., Timer)
Timer		99 hr 59 min, (Continuous function included)
Dimension (w×d×h) (mm)		206 × 307 × 99
Weight		2,8 kg
Others		CE Certified, Storage Function (Temp., Timer), Locking Mode (Jog-Shuttle Input disabled) User Self-compensation function Alarm (Error Status and Timer-end)
Packing Dimension (w×d×h) (mm)		280 × 250 × 110
Gross Weight		4 kg
Power plug type		Hybrid E+F
Power Supply*		AC 230 V, 50 / 60 Hz

* Other Specifications are available upon Customer's Request.



Example of Heating Mantle Set with the Digital Controller



<Temp. K-type Sensor : SS300/SS310/SS400/SS410>

<Stand Rod : RD300>

<Holder + Clamp : CL220>

<Continued on Next Page>

<Continued from... “witeg” **WiseTherm® WHM-C10D** Digital Feedback Controller>

Ordering Information

DH.WHM12500 All-Purpose Digital Controller, **WHM-C10D**, Ambient + 5 ~ 750 °C, for up to 2 kW Heating Instrumentes

Optional Accessories

- DH.WHP503037** Stand Rod, **RD300**, for Heating Mantles, ϕ 12,7 × 520 mm
- DH.WHP503040** Direct Contact Temperature Sensor, **SS300**, K-type, 330 mm total length, 250 mm probe length, with Plug
- DH.WHP503041** , **SS310**, K-type, Teflon Coated, 330 mm total length, 250 mm probe length, with Plug
- DH.WHP503050** , **SS400**, K-type, 380 mm total length, 300 mm probe length, with Plug
- DH.WHP503051** , **SS410**, K-type, Teflon Coated, 380 mm total length, 300 mm probe length, with Plug
- DH.WHP503012** Holder + Clamp for Temp Sensor, **CL220**

“witeg” **WiseTherm® WHM** Heating Tapes, Standard-type, 250 °C, 13 & 25 mm Width

Catalog No.	13 mm Width × Length(m)	Watts & Volt
DH.WHM12311	13 mm × 0,6 m	200 W, 230 V
DH.WHM12312	× 1,0 m	200 W, 230 V
DH.WHM12313	× 1,5 m	250 W, 230 V
DH.WHM12314	× 2,0 m	300 W, 230 V
DH.WHM12315	× 2,5 m	350 W, 230 V
DH.WHM12316	× 3,0 m	400 W, 230 V

Catalog No.	13 mm Width × Length(m)	Watts & Volt
DH.WHM12321	25 mm × 0,6 m	200 W, 230 V
DH.WHM12322	× 1,0 m	200 W, 230 V
DH.WHM12323	× 1,5 m	250 W, 230 V
DH.WHM12324	× 2,0 m	300 W, 230 V
DH.WHM12325	× 2,5 m	350 W, 230 V
DH.WHM12326	× 3,0 m	400 W, 230 V
DH.WHM12327	× 4 m	550 W, 230 V
DH.WHM12328	× 6 m	700 W, 230 V

* For Glass Tubes Metal Pipet



Heating Tapes

“witeg” **WiseTherm® WHM** Custom Heating Mantles & Insulation
Bottom Valved Vessels or General-use, Up to 450 °C ~ 650 °C

We can Offer witeg Custom Heating Mantles, for which you can Specify the Outside Diameter of the Vessel, Length of Mantle, Voltage, Number of Circuits and Length of Each Heating Zone, Operating Temperature, Unusual Ambient Conditions, Size & Location of Holes for View Ports, and Tubulations.

Please Submit a Sketch for Complicated Applications and Contact our International Sales Team (development@witeg.de) or our Distributor in your Country.

- Provides Uniform Heating and Insulation for Scrubbing and Fractionating Columns.
- Closes with a Zipper, with Eyelets and laces or Hooks and laces.
- Internal Operating Temperature is up to 450 °C or 650 °C

Examples for Customized Heating Mantles

