

WiseTherm®

Furnaces

Wisd 
LABORATORY INSTRUMENTS

- Digital Muffle Furnaces
- Programmable Digital Muffle Furnaces

► Digital Muffle Furnace
1.000 °C / 1.200 °C



F-14

► Programmable Muffle Furnace
1.000 °C / 1.200 °C



FP-14

“witeg” WiseTherm® F/FH High Performance Digital Muffle Furnaces, 1.000 °C / 1.200 °C with Patented PID Jog-Shuttle Control System, Back Light LCD, Short Heat-up Time, Ceramic Fiber with Heating Wire, 4-Side Heating, 3~14, 27, 63 Lit.

- Ceramic Fiber embeded Heating Wire, 4-Side Heating
- Digital PID Controller
- Patented Jog-Shuttle Control System and Digital LCD Display with Back-Light Function
- CE Certified

Application & Features

- * Designed for Ash-Determinations, Enameling, Fusions, Ignitions, and Precipitate Drying.
- * Digital PID Controller. * Ceramic Fiber embeded Heating Wire, 4-Side Heating.
- * Ceramic Plate is Provided. (FH-Model only) * Short Heating-Up Time.
- * Over Temperature & Over Current Protection, Sensor Error Detection
- * Low Weight and High Grade Insulation. * High Quality / Low Price.
- * CE Certified. * Digital Timer Function : 99 hr 59 min
- * Patented Jog-Shuttle Control System and Digital LCD Display with Back-Light Function.

Specification

Model	F-03	F-05	F-12	F-14	F-27	F-63	
Temp. Range	Max. 1.000 °C						
Model	FH-03	FH-05	FH-12	FH-14	FH-27	FH-63	
Temp. Range	Max. 1.200 °C						
Dimension (w x d x h)	Internal (cm)	13 x 25 x 9	15 x 30 x 10	20 x 30 x 20	25 x 35 x 16	30 x 30 x 30	40 x 40 x 40
	External (cm)	39 x 48 x 53	42 x 53 x 55	48 x 55 x 66	53 x 58 x 62	58 x 59 x 76	63 x 71 x 79
Capacity	3 Lit.	4,5 Lit.	12 Lit.	14 Lit.	27 Lit.	63 Lit.	
Required time to be reached 800°C	16 min		20 min		23 min		
Temp.	Internal	Ceramic Fiber with Heating Wire					
	External	Powder Coated Steel					
	Insulation	Ceramic Fiber					
Controller	Digital PID Controller with Jog-Shuttle Switch (Turn+Push)						
Display	Digital LCD Display with Back-Light Function						
Timer	99 hr 59 min (Continuous Function Included)						
Thermocouple	K-type						
Heater (Kantal A1)	Ceramic Fiber with Heating Wire, 4-Side Heating						
Safety Device	Over Temp. and Over Current Protector, Sensor Error Detector						
Others	CE Certified						
Power Consumption	1,4 kW	1,8 kW	3,6 kW	4,0 kW	4,6 kW	9 kW	
Power plug type	Hybrid E+F		3~ 16A CEE				
Power Supply*	AC 230 V, 50 / 60 Hz						
Packing Dimension (w x d x h) (cm)	62 x 53 x 74	68 x 58 x 76	67 x 62 x 90	72 x 68 x 84	74 x 74 x 105	116 x 90 x 110	
Weight	35 kg	38 kg	47 kg	56 kg	62 kg	80 kg	
Gross Weight	54 kg	62 kg	82 kg	88 kg	104 kg	225 kg	

* Other Specifications are available upon Customer's Request.

Ordering Information

3~14 Lit. / 1.000 °C Standard Furnace

- DH.WF11.03 Furnace, F-03, 1.000 °C, 3 Lit.
- DH.WF11.05 , F-05, 1.000 °C, 4,5 Lit.
- DH.WF11.12 , F-12, 1.000 °C, 12 Lit.
- DH.WF11.14 , F-14, 1.000 °C, 14 Lit.

27 & 63 Lit. / 1.000 °C, Large Volume Furnace

- DH.WF11.27 Furnace, large volume, F-27, 1.000 °C, 27 Lit.
- DH.WF11.63 , F-63, 1.000 °C, 63 Lit.

3~14 Lit. / 1.200 °C, Standard Furnace

- DH.WFH12.03 Furnace, FH-03, 1.200 °C, 3 Lit.
- DH.WFH12.05 , FH-05, 1.200 °C, 4,5 Lit.
- DH.WFH12.12 , FH-12, 1.200 °C, 12 Lit.
- DH.WFH12.14 , FH-14, 1.200 °C, 14 Lit.

27 & 63 Lit. / 1.200 °C, Large Volume Furnace

- DH.WFH12.27 Furnace, Large Volume, FH-27, 1.200 °C, 27 Lit.
- DH.WFH12.63 , FH-63, 1.200 °C, 63 Lit.

Validation (IQ, OQ & PQ) Service

- DH.WF311.03 Validation Service(IQ, OQ & PQ), FV1103, for F-03
- DH.WF311.05 , FV1105, for F-05
- DH.WF311.12 , FV1112, for F-12
- DH.WF311.14 , FV1114, for F-14
- DH.WF311.27 , FV1127, for F-27
- DH.WF311.63 , FV1163, for F-63
- DH.WFH312.03 Validation Service(IQ, OQ & PQ), FHV1203, for FH-03
- DH.WFH312.05 , FHV1205, for FH-05
- DH.WFH312.12 , FHV1212, for FH-12
- DH.WFH312.14 , FHV1214, for FH-14
- DH.WFH312.27 , FHV1227, for FH-27
- DH.WFH312.63 , FHV1263, for FH-63



Digital Muffle Furnace (F-14)



for Inner Chamber of FH-Model Ceramic Fiber with Heating Wire

Patented Control System

(No. 10-0554098)

1 or 2 Mode Buttons + Jog Shuttle Switch
Realize “Easy to Use”

