Standard Electric FurnaceFO100
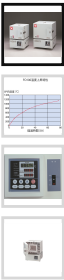
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> Scientific and Industrial equipment   > High temperature furnace

Standard Electric Furnace

FO100

Item Code : 214115
Model : FO100

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FO100、FO310

Standard Electric Furnace (FO100)

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Product Summary

8 types of internal capacity are available, with program operation function

Features of Standard Electric Furnace (FO100)

Features

Able to do program operation

Features

Easier up/down key setting, equipped with the controller ofgood operation performance to realize the high precision of temp. control.

Features

Digital representation of setting temp., time and indicator value.

Features

Use the controller of digital set and overheat proection, in the event of abnormality it has safety controls such as self diagnosis and overcurrent ELB.

Features

The temp. sensor applies R-thermocouple with long service life.

Standard Electric FurnaceFO100

Features

It also has optional functions like air exhaust device, sample tray, N2 introduction device (attached with flowmeter), temp. output terminal, etc..

Specifications

Specifications

Item Code	214115
Model	FO100
Operating temp. range	100 to 1,150℃
Temp. control accuracy	±2.0℃（at 1,150℃）
Max. temp. reaching time	Approx. 60min.
Exterior material	Cold rolled steel plate with baked-on melamine resin finish
Internal material	Ceramic fiber
Sensor	R-thermocouple
Heater	Iron-chrome wire
Heater	1kW
Exhaust port	18 mm I.D. (upper part)
Cooling Fan Type	Axial fan motor
Temp. controller	PID control by microprocessor
Temp. setting/display method	Digital setting by▲/▼ keys / Digital display
Overheat protection	Integrated controller
Overheat protection set	Digital setting
Operation function	Fixed temp., program (6 modes 30 seg.×1, 15 seg.×2, 10 seg.×3)
Additional function	Deviation correction, Power outage compensation, Key lock
Timer	1min to 99hr59min and 999hr 50min digital setting, Auto start, Quick auto stop
Safe Device	Self diagnosis circuit (Abnormal temp. sensor, Auto overheat protection), Averheat protector, Avercurrent ELB, key lock
Accessories	Exhaust port cap 1 pc.
Optional Stand	ON30C
Optional Others	Exhaust device (AC220V), Sample tray, N2 introduction device (Attached with flow meter), Recorder, Indicator lamp (Stand-by / running / Malfunction),
Optional Others	External communication (RS485), Temp. output terminal (4-20mA), Output terminal for alarm device, Time up output terminal
Internal dimensions （W×D×H mm）	100×150×100mm
External dimensions （W×D×H mm）	346×405×517mm
Remarks(dimensions)	1.5L
Power Source	AC115/220V Single-phase with step down transformer
Weight	24kg

Standard Electric FurnaceFO100

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Conditions: temperature and humidity: 23 deg.C+/-5 deg.C, 65%RH+/-20% (no load)

External dimensions do not include protrusions.

Optional items

Temp. output terminal （4-20mA） (00)

N2 gas inlet system with flow meter (00)

Sample Tray (00)

Same series products

Standard Electric Furnace (FO310)

Standard Electric Furnace (FO410)

Standard Electric Furnace (FO510)