High Temperature Natural Convection Oven

DR200

Operating temp. range	300~700°C	Temp. distribution accuracy	±25°C (at 700°C)	Internal capacity	13.75L

Wide temperature range, maximum operation temperature up to 700°C

■ Operation and functions
- Programmable natural convection oven with high accuracy control at high temperature range
- Equipped with high operability temperature controller
- Can be used as constant temperature oven, drying oven, and electric furnace for ashing, sintering, etc. as unit is suitable for each of these three functions
- Temperature, measured temperature and overheat prevention temperature can be digitally set by operation menu and ▲/▼ keys
- Easy programmable operation, fixed temperature, quick auto stop, auto stop and auto start
- Lock function, auto recovery after power failure, calibration offset

■ Safety Features
- Failure of sensor, heater, SSR, memory, internal communication, temperature inputting circuit, automatic overheating prevention device, overheating prevention device, measurement temperature

13.75L

■ Specifications

Model	DR200
System	Natural convection
Temp. control range	300~700°C
Temp. adjustment accuracy	±5°C (at 700°C)
Temp. control accuracy	±25°C (at 700°C)
Max. temp. reaching time	~70min. (Room temp. +5°C~700°C)
Interior material	Stainless steel
External material	Electro-galvanized steel sheet with epoxy and melamine resin baking finish
Heat insulating material	Ceramic fiber
Heater	Iron-chrome wire heater 1.3kW
Temp. controller	PID control
Temp. setting method	Digital setting by operation menu key and ▲/▼ keys
Temp. display	Measured temp.: Green 4 digit LED digital display
	Setting temp.: Red 4 digit LED digital display
Timer	1min. to 99hrs 59min. and 100~999hrs 50min. (with timer wait function)
Operation functions	Program operation, fixed temperature, quick auto stop, auto stop, auto start
Additional functions	Calibration off-set, key lock, auto recovery after power failure
Heater circuit control	SSR control
Sensor	K thermocouple (W sensor)
Safety device	Self diagnostic functions (temp. sensor abnormal, heater disconnection, SSR short, automatic overheat prevention function), key lock function, overheat prevention, electric leakage breaker with over current protection
Internal dimension (WxDxH)	250 x 250 x 220mm
External dimension* (WxDxH)	520 x 443 x 612mm
Internal capacity	13.75L
Shelf load capacity	15kg / pc.
Shelf rest step number	3 steps
Shelf rest pitch	33mm
Power source (50/60Hz)	AC115V, 12A / AC220V, 6.5A
Weight	~36kg
Shelf plate	Stainless punching metal
Shelf plate / bracket	2 pcs. / 4 pcs.

* Protrusions not included.

■ Optional items

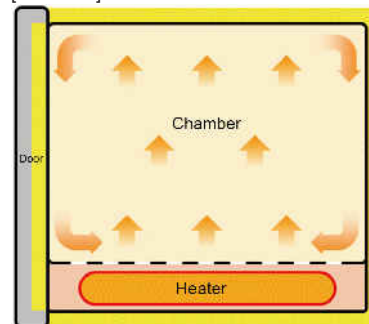| No.	Description	Product code
1	Stand ONS60	212802
2	Shelf plate 1pc.	212808
3	Temp. output terminal (4-20mA)	281156
4	External alarm terminal / time-up output terminal*	281157
5	External communication terminal (RS485)	281158
6	External communication adaptor (changeable to RS232C)	281159
7	Seismic mat	296902

No. 3~6 please specify when ordering main unit.
*External alarm terminal and time-up output terminal cannot be installed at the same time
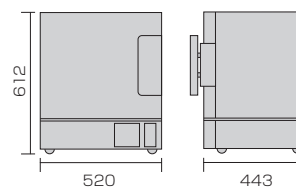

ONS Stand

Method

[Side view]

Dimensions (mm)

⚠ Attention
- Never use in flammable or explosive gas atmosphere
- Never use explosive or flammable material
- Caution: High temperature components