

## Laboratory Oven, High Temperature DR200



**This oven controls a range of high temperature with high accuracy.**

This model can be used as constant temperature ovens, as drying ovens, and as electric furnaces for ashing, sintering, etc. since each unit is suitable for each of these three functions.

Operating Temperature Range
300deg.C to 700deg.C
Temp. Distribution Accuracy
±25deg.C (at700deg.C)
Internal Capacity (L)
13.75

- Temperature regulator features automatic control which covers also high temperature ranges.
- The interior is made of heat-resistance stainless steel with high corrosion proof.

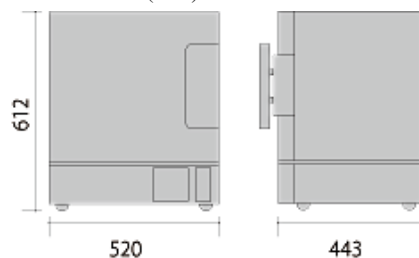
## ■ Specifications

Model	DR200
<b>Performance</b>	
Circulation method	Natural convection
Operating temperature range	300 to 700deg.C
Temp. adjustment accuracy	±5.0deg.C
Temp. control accuracy	±25deg.C (at 700deg.C)
Max. temp. reaching time	Approx. 70 min
<b>Components</b>	
Interior Material	Stainless steel SUS 310S
Exterior material	Cold rolled steel plate with melamine resin baking finish
Heat insulating material	Rock wool, ceramic fiber
Heater	Iron-chrome wire heater, 1.3kW
<b>Controller</b>	
Temp. controller	PID Control by microprocessor
Temp. setting method	Operation menu key and Digital setting by UP/DOWN key
Temp. display method	Measurement temp. : Digital display by green LED Setting temp. : Digital display by red LED
Timer	1 min to 99 Hrs. 59min. and 100 Hrs. to 999 Hrs. 50min.
Operation function	Fixed temperature operation, Program operation, Auto start, Auto stop, Quick Auto-stop,
Additional function	Calibration off-set function, Key lock , Uninterruptible power for memory, Pattern repeat function
Heater circuit control	SSR control
Temp. sensor	Inconel coating K-thermocouple W sensor
<b>Safe Device</b>	
Self diagnosis functions (temp. sensor abnormal, Heater disconnection, SSR- short, Memory abnormal, Automatic overheating prevention), Overheat prevention, Electric leakage breaker with over current protection	
<b>Standard</b>	
Internal dimensions	250×250×220 (W×D×Hmm)
External dimensions	520×443×612 (W×D×Hmm)
Internal capacity	13.75 L
Shelf loading	15kg/pc
Shelf rest step number	3 steps
Shelf rest pitch	33 mm
Power source 50/60Hz	AC100V 14A(15A)
Weight	Approx. 36 kg
<b>Accessories</b>	
Shelf plate	Stainless steel, 2 pcs
Temperature fuse	1 pc

## ■ Control Panel



## ■ Dimension (mm)



■ Optional items

Remark	Description	Model No.	Product Code
○	Stand	DR Series	212802
	Shelf	DR Series	212808
●	Temperature output terminal (4-20 mA)	DR Series	281156
●	External alarm terminal/ time-up output terminal (to choose either)	DR Series	281157
●	External communication function (RS485)	DR Series	281158
●	External communication adapter (changeable to RS232C)	DR Series	281159

**Note:**

1. The item marked " ● " in the column of "Remark" shall be ordered together with the main unit.
  2. The transportation cost will not be required if the order is together with main unit except the item marked "○".
- In case you order the item marked "○" together with the main unit, please ask Yamato to obtain the correct transportation cost.

**Stand**



ON Model

**Shelf (with 2 support)**



Stainless Punching Metal (Weight Tolerance 15kg/pc)