Laboratory Constant Temperature Ovens
DVS402/602

DVS402/602

Natural convection ovens of standard type.
A natural convection, programmable constant temperature oven incorporating programmable operation functions and a wide range of other function, and boasting enhanced safety features and operability.

Model	
402	602
Operating Temperature Range	
Room temp. +5deg.C to 260deg.C	
Temp. Distribution Accuracy	
±.5deg.C(at260deg.C)	
Internal Capacity (L)	
99	162

- Fixed setting, programmed, Quick Auto stop, Auto stop, and Auto start operating modes are possible, along with easy control capabilities.
- Settings can be made digitally using the dedicated operation menu keys or the keys. Incorporates a 30-step, 3-pattern program controller with repeat functions.
- Over-heating prevention and calibration offsetting are possible through the auxiliary functions.
- Comprehensive safety features.

■ Specifications

Model	DVS402	DVS602
Performance		
Circulation method	Natural convection	
Operating temperature range	Room temp.+5 to 260deg.C	
Temp. control accuracy Temp. distribution accuracy	±1.0deg.C(at 260deg.C) ±5.0deg.C(at 260deg.C)	
Max. temp. reaching time	Approx. 90 min.	
Components		
Interior material Exterior material	Stainless steel Cold rolled steel plate with melamine resin baking finish	
Heat insulating material	Glass wool	
Heater	Stainless pipe heater	
	1.2KW	1.36KW
Exhaust port/Cable hole	30 mm l.D.×2 pcs.(the top) /30 mm l.D.×1 pc.(right side)	
Observation window	250×280 mm	
Controller		
Temp. controller	3 patterns program 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. 59 min. and 100 Hrs. to 999 Hrs. 50 min.	
Min. division	1 min. or 1 Hrs.	
Operation function Program mode	Fixed temperature operation, Program operation, Auto start, Auto stop, Quick Auto-stop, Program operation : 6 pattern, 30 steps(30 steps×1, 15 steps×2, 10 steps×3)	
Additional functions	Calibration off-set function, Key lock , Uninterruptible power for memory, Pattern repeat function	
Heater circuit control	SSR control	
Sensor	K-thermocouple	
Safe Device		
Safety countermeasures	Self diagnosis functions (temp. sensor abnormal, Heater disconnection, SSR- short, Memory abnormal, Automatic overheating prevention), Overheat prevention, Electric leakage breaker with over current protection	
Standard		
Internal dimensions (W×D×Hmm) External dimensions (W×D×Hmm) Internal capacity	450×490×450 560×601×820 99 liters	600×540×500 710×651×870 162 liters
Shelf plate with standard load	Approx. 15kg/piece	
Shelf rest step number	9 steps	13 steps
Shelf rest pitch	30 mm	
Power source 50/60Hz	AC100V 12.5A(15A)	AC100V 14.0A(20A)
weight	Approx. 48 kg	Approx. 63 kg
Accessories		
Shelf plate	Stainless steel, 2 pcs.	
Shelf bracket	4 pcs.	

*The performance shown here is the value under the condition of the ambient temperature of 23deg.C±5deg.C, humidity of 65%RH±20%.

*The projection is not included for Internal dimensions and External dimensions.

■ **Control Panel**

■ **Temp.Rising Curve**

■ **Interior**
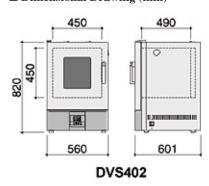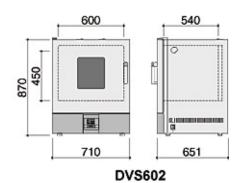
■ **Exhaust Holes**
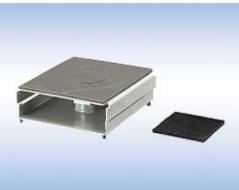
■ **Cable Hole**

■ **Dimensional Drawing (mm)**

DVS402   DVS602

■ **Optional items**

Remark	Description	Model No.	Product Code
○	Stand ON61	DVS Series	211856
	Stacking support for DVS402, OD40	DVS Series	212822
	Stacking support for DVS602, OD60	DVS Series	212823
	Shelf (with support 2 pcs) for DVS402	DVS Series	212246
	Shelf (with support 2 pcs) for DVS602	DVS Series	212266
●	Cable Port, 25mm dia	DVS Series	281131
●	Cable Port, 50mm dia	DVS Series	281132
●	Temperature output terminal (4-20 mA)	DVS Series	281133
●	External alarm terminal/ time-up output terminal (to choose either)	DVS Series	281134
●	External communication function (RS485)	DVS Series	281135
●	External communication adapter (changeable to RS232C)	DVS Series	281136
	Anti-vibration material with support EPM-08	DVS Series	851352
	Anti-vibration material without support EPM-05	DVS Series	851351

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

Anti Vibration Material

Shelf (with 2 support)

Stainless Punching Metal (Weight Tolerance 15kg/pc)