

1200°C Small Box Furnace (6"x6"x7", 4.2 liter) with Separated Programmable Controller - KSL-1200X-J-F

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Model 1200X



SPECIFICATIONS:

	<ul style="list-style-type: none"> High purity alumina fiber insulation surrounding the chamber provides maximum energy efficiency. Heavy duty double layer structure with a cooling fan to keep furnace exteriors safe to touch. Double layer steel case with forced-air cooling to ensure lower safer face temperature. One venting port is built on the top of furnace. One air inlet is located at the back of the furnace. Separated programmable digital temperature controller for using the furnace inside glove-box or remote location Ar gas is compatible when using in glove box
Chamber Dimensions	<ul style="list-style-type: none"> 150mm(D) x 155mm(W) x 180mm(H), (6"x6"x7") Capacity : 4.2 Liter or 0.44 cubic ft
Power	2.5KW (not suitable for running at 110V)
Max. Current	15A
Voltage	<ul style="list-style-type: none"> 208 -240V Single Phase 50/60 Hz Note : Power cable included, but without a plug. Please install a plug by your own or click the link below to choose a plug according to your country or your lab requirement. The feedthrough of a power cord for glovebox is available upon request at extra cost. 
Operating Temp Range	<ul style="list-style-type: none"> 1250 °C < 1 hour 100-1200 °C continuously
Stability at 1000 °C	+/- 0.5 °C
Uniformity at 1000 °C	+/- 2.0 °C
Max. Heating Rate	30°C/ min.
Thermal Couples	K types with Ceramic Sheath
	<ul style="list-style-type: none"> FA-YD518P-AG temperature controller is included. Proportional–integral–derivative control (PID control) and auto-tune function 30 segments programmed with ramping, cooling and dwelling steps Built-in over-temperature alarm and thermocouple failure alarm +/- 1 °C temperature control accuracy Default DB9 PC communication port Note: you may use multi-channel controller to control multi-furnace as an optional 
Laptop, software & WiFi Control(Optional)	<ul style="list-style-type: none"> Brand new laptop with Microsoft Window 10 and Microsoft Office 2013 (30 days free trial) for immediate use. Labview Based Temperature Control System (EQ-MTS01) enables user to edit temperature profile, manage heat-treatment recipe, record and plot data for MTI furnaces. A wireless remote control provides up to 300 meters operating range. Above features are available upon request at an extra cost (up to \$1,000). Please contact us for more information. Note: The software is only compatible with MTI's Yudian Temperature Controller 
Temperature controller (optional)	<ul style="list-style-type: none"> MTS02-Y Temperature control software kit (for YD518P series controllers) + 15" laptop package is available at the options bar. Click for the detail information about the MTS02-Y software kit.
Net Weight	62 lbs
Shipping Weight	100 lbs
Shipping Dimension	40"x30"x36"

Overall Dimensions	 <p>(click picture to see dimension)</p>
Warranty	<ul style="list-style-type: none"> One-year limited warranty with lifetime support. ATTENTION: Any damages caused by the use of corrosive and acidic gasses are not under the coverage of MTI One Year Limited Warranty.
Compliance	<ul style="list-style-type: none"> CE Certified The furnace is ready to pass NRTL (UL61010) or CSA certification at extra cost. (please click marks below to learn details) <div>      </div>
Application Notes	<div>   </div> <ul style="list-style-type: none"> For preserving the longevity of the furnace components, we recommend the heating rate not to exceed 10 °C /min. Cooling rate should not exceed 10 °C /min either. Small cracks may appear on the surface of the refractory ceramics over extended use. This is a normal occurrence and the cracks may be repaired with alumina coating Heating module is easy to replace. Click pic left to order spare the Heating module for replacement If firing material release vapor or smoking, please put the furnace into a fume hood as the left picture. Toxic, corrosive or explosive gases are not allowed to use with this furnace without necessary safety controls or supervision.

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