

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





Par
Shc



SPECIFICATIONS:

| | |
|---|--|
| <p>Structure</p>  | <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. |
| <p>Chamber Dimensions</p> | <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 |
| <p>Power</p> | <p>2.5KW (not suitable for running at 110V)</p> |
| <p>Max. Current</p> | <p>15A</p> |
| <p>Voltage</p> | <p>208 -240V Single Phase 50/60 Hz Note : Power cable included, but without a plug. Please install a plug by your own or click link below picture to choose a plug according to your country or your lab requirement</p>  |
| <p>Operating Temp Range</p> | <ul style="list-style-type: none"> 1250 °C < 1 hour 100-1200 °C continuously |
| <p>Stability at 1000 °C</p> | <p>+/- 0.5 °C</p> |
| <p>Uniformity at 1000 °C</p> | <p>+/- 2.0 °C</p> |
| <p>Max. Heating Rate</p> | <p>30°C/ min.</p> |
| <p>Thermal Couples</p> | <p>K types with Ceramic Sheath</p> |
| <p>Temperature Controller</p>  | <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 MET Certified |
| <p>Temperature controller (optional)</p> | <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. |
| <p>Net Weight</p> | <p>62 lbs</p> |
| <p>Shipping Weight</p> | <p>100 lbs</p> |
| <p>Shipping Dimension</p> | <p>40"x30"x36"</p> |
| <p>Overall Dimensions</p> |  <p>360mm(L) x 300mm(W) x 510mm(H)</p> |
| <p>Warranty</p> | <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. |
| <p>Compliance</p> | <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)  |
| <p>Laptop, software & WiFi Control(Optional)</p> | <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  |

| | |
|--|--|
| <p>Application Notes</p>  | <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 left 2 picture. |
| <p>Warnings</p> | <ul style="list-style-type: none"> • <i>Toxic, corrosive or explosive gases are not allowed for the use with this furnace without necessary safety controls or supervision.</i> • <i>You may consider out the furnace with separated controller to use in glovebox or remote distance</i>  |

