

AST BB1700

Ultra-high temperature blackbody radiation source

Specification

Model	AST BB1700
Temperature range	800°C - 1700°C 1472°F - 3092°F
Resolution	0.1°C
Operation Mode	Touch Screen
Temperature control	PID automatic control
Cavity diameter	Ø40mm \ 1.57"
Cavity Depth	400mm \ 15.74"
Emissivity	≥0.995
Temperature stability	Not more than the greater of $\pm 0.1^{\circ}\text{C}$ or 0.1%t, where t is the radiation source temperature (within 10 minutes)
Temperature uniformity	Not more than the greater of $\pm 0.15^{\circ}\text{C}$ or 0.1%t, where t is the radiation source temperature
Power supply	220V AC 50/60Hz 63A
Power	<7700W
Dimension	Length 915mm x Width 655mm, x Height 1220mm Length 3.0 ft X Width 2.14 ft X Height 4.0 ft
Weight	240 Kg 529 Pound
Working ambient temperature	22°C $\pm 3^{\circ}\text{C}$ 15%RH~ 65%RH
Communication method	Support 232 communication (optional, other special requirements can be customized according to user needs)



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