

Silicon Nitride Igniter

Model: TH95



Description:

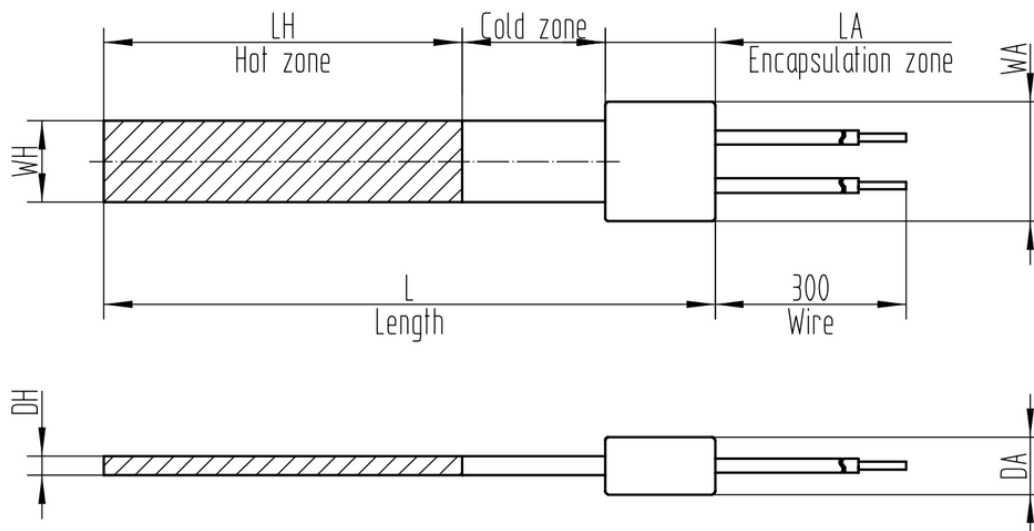
Silicon nitride igniters are normally rectangular in shape. These igniters have a hot operation zone up to 1000 degree C, and a cold zone in the contact area. Encapsulated terminal can prevent short circuit caused by conductive contamination. They can be operated with or without a controller. Silicon nitride igniters have several times the durability than that of silicon carbide products.

Silicon Nitride igniters can heat up to 800 to 1000 degree within tens of seconds. Silicon Nitride ceramic can sustain corrosion of melting metals. With proper installation and igniting process, the igniter can serve several years.

Application:

1. Ignition of solid fuels (eg wood pellets)
2. Ignition of gas or oil
3. Reburning or igniting of exhaust fumes
4. Heating of process gases
5. Pyrotechnics
6. Brazing machines
7. Heater for corrosive atmosphere
8. R&D – laboratory equipment, measuring and testing equipment, reactors
9. Mold, tool heating
10. Charcoal barbecue grill

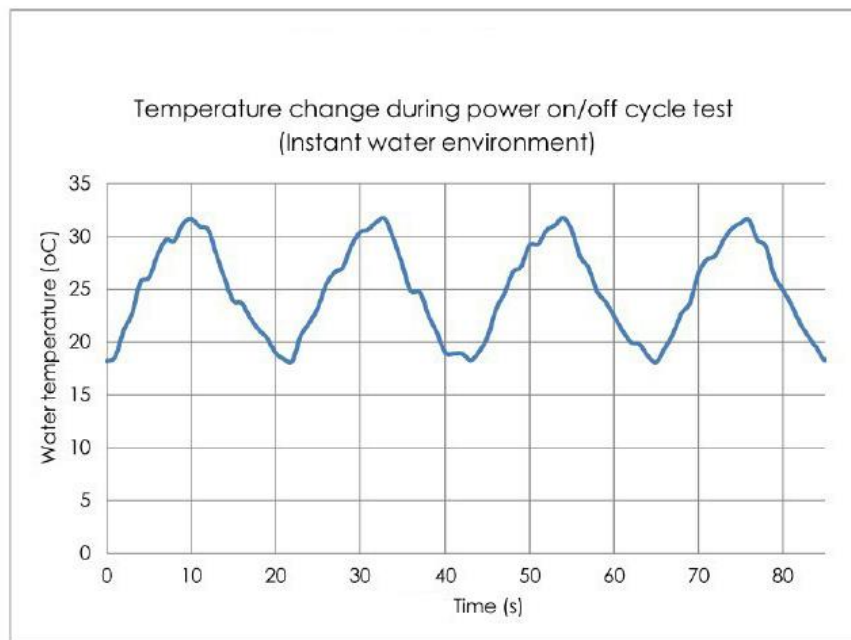
Technical Parameters:



Model	Dimension (mm)						Electric Parameters		
	Length	Hot zone		Encapsulation zone			Voltage (V)	Power (W)	T _{max} (°C)
	L	LH	WH	LA	WA	DA			
TH115	95	58	17	23	25	12	AC220~240	400	1000

Test Report:

Temperature change of instant water tank



Surface temperature of ceramic heater (in free air)

