

SINCE 1989



Complete Solutions for  
Industrial Heating

## Ceramic Bobbin Heaters

Temperature Range	Upto 600°C
Heating Element	NiCr 80:20
Application Area	Furnace Elements & Open Heating



## Bundle Rod Heaters

High Temperature Bundle Rod Heaters are used for different furnace applications for 1200°C for various applications.

Temperature Range	Upto 1100°C
Heating Element	Kanthal A-1, NiCr 80:20
Radiant Tube Material	SS310 & Alloy-600 (Customized) Diameters, Length and Flange
Application Area	Galvanizing Furnace, Annealing Furnace, Other Heat Treatment Furnaces



## Metallic Heating Elements

Temperature Range	Upto 1000°C
Strip Element	Kanthal A-1, NiCr 80:20,
Application Area	Ammonia Cracker, Furnace Elements et



## Silicon Carbide Heating Elements

Temperature Range	Upto 1600°C
Heating Element	Ceramic material for high electrical conductivity
Application Area	Industrial Ovens with more Insulation Melting Furnace, Aluminum Furnace, Lab. Furnace.



## Furnace Coil Heater

Temperature Range	Upto 1200°C
Heating Element	Kanthal A-1, NiCr 80:20
Application Area	Metal Temperature Furnace, Automobile Industries, Fastners Industries



## Accessories



Ceramic Disc







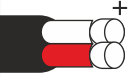
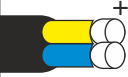
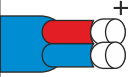
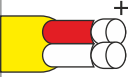
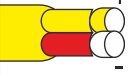
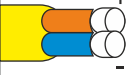
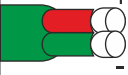
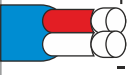
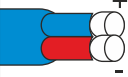
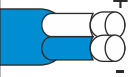
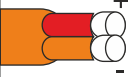
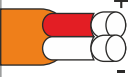
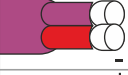
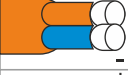

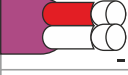
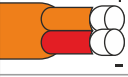
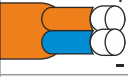








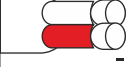





















Radiant Tube with  
Bundle Heater

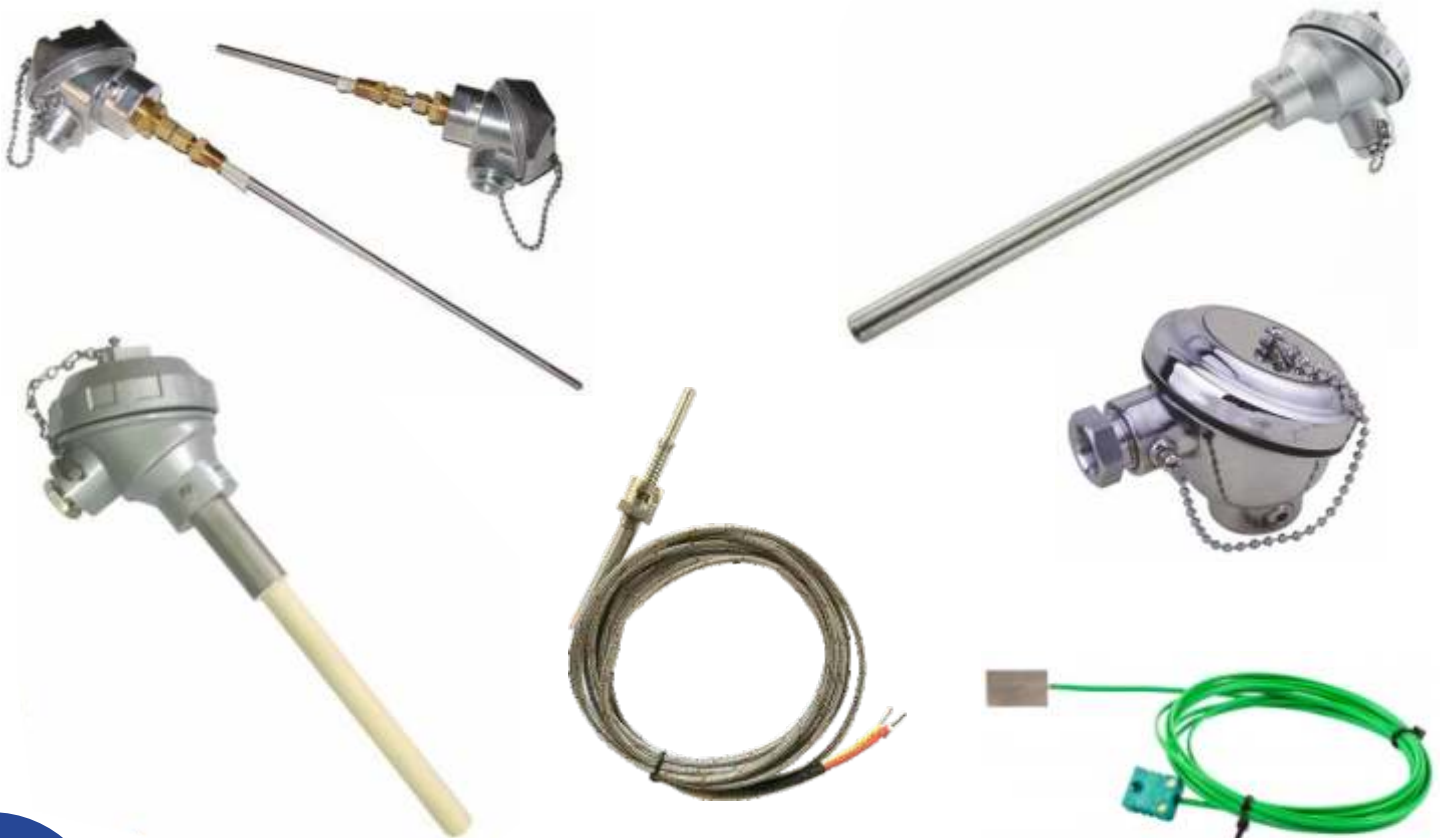


Radiant Tube

# Thermocouple

DHE® Thermocouple is passive electronic transducer (as does not require powder) physical principle on which dissimilar metal wire joined at their measuring end. It made of two junctions are at different temperature a current proportional to the difference in temperature between two junction will start to flow in circuit when the circuit is interrupted, a thermoelectro force is generated the polarity & intensity of this force depends only on the nature of two metal used.

Type Letter	Conductor material	POLARITY	Instant calibration tolerance (* whichever is greater)		U.S.A	U.K	GERMANY	JAPAN	Application Range
			Standard	special					
<b>J</b>	Iron	+	±4.0 F or ±75%	±2.0 F or ±4%					32 to 1400° F 0 to 760° C
	Constantan	-							
<b>K</b>	Chromal	+	±4.0 F or ±75%	±2.0 F or ±4%					32 to 2300° F 0 to 1260° C
	Alumel	-							
<b>T</b>	coppler	+	±1.8 F or ±1.5%	±0.9 F or ±8%					32 to 700° F 0 to 370° C
	Constantan	-							
<b>E</b>	Chromal	+	±3.0 F or ±5%	±1.8 F or ±4%					32 to 1600° F 0 to 870° C
	constantan	-							
<b>N</b>	Nicrosil	+	±4.0 F or ±75%	±2.0 F or ±4%			Not Established	Not Established	32 to 2300° F 0 to 1260° C
	NISIL	-							
<b>R</b>	Platinum	+	±2.7 F or ±25%	±1.1 F or ±1%					32 to 2700° F 0 to 1480° C
	Rhodium-13%	-							
<b>S</b>	Platinum	+	±2.7 F or ±25%	±1.1 F or ±1%					32 to 2700° F 0 to 1480° C
	Rhodium-10%	-							



# Super Heater

## Technical Specification

Material	: SS316, Incoloy 800-Seamless, Titanium
Conductor	: Ni-Cr 80/20
Insulation	: Hi Purity Hi temperature Mgo
Voltage	: 380V / 415V
Resistance tolerance	: $\pm 10\%$
HV tolerance	: $0\text{ma}@2000\text{V}$
Megar	: $>20\text{M}\Omega - \infty$
Max Temp.	: $500^{\circ}\text{C}$
Test Certificate	: Available on request

## Standard Density Design

12Kw.	-(1Kwx12 tube) 18" length
18Kw.	-(1.5Kwx12 tube) 18" length
24Kw.	-(1.5Kwx18 tube) 21" length
36/40 Kw.	-(1.5Kwx24 tube) 24" length
54/60Kw.	-(1.5Kwx36 tube) 24" length
90Kw.	-(2Kwx45 tube) 30" length

## Application

Air Application for  $500^{\circ}\text{C}$  Hot Air  
Water Application for  $200^{\circ}\text{C}$  Hot Water  
Oil Heating Application for  $200^{\circ}\text{C}$





## DHE HEATERS PVT. LTD.

(Formally known as DARSHAN HEAT ELECTRICALS)

**Manufacturers & Exporter of Industrial Electrical Heaters  
& Engineering Fabrication**

Plot No. 1719/1, Phase III, GIDC, Vatva,  
Ahmedabad - 382 445, INDIA

**Facilities:**

Survey No. 687/1, Hirapur Cross Road, B/h. KHS Machinery  
Mahemdabad Road, Hirapur, Ahmedabad.

Ph.: +91 987 509 9380, +91 987 952 7154

Email: [info@darshanheat.com](mailto:info@darshanheat.com) | [www.darshanheat.com](http://www.darshanheat.com)

**AN ISO 9001:2015COMPANY**

