

PRODUCT INFO SHEET

Nanmac Corporation

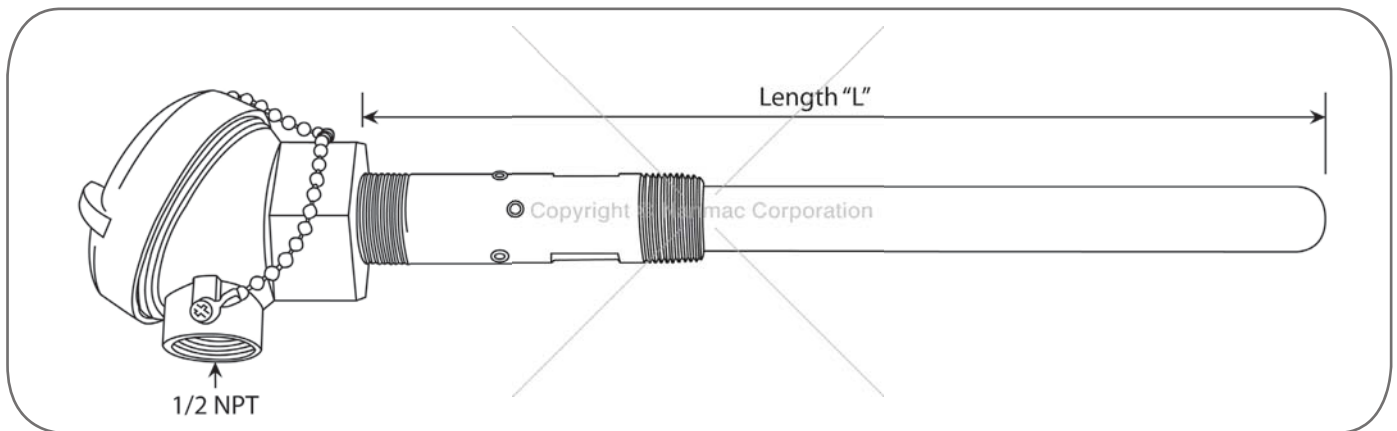
Quality • Performance • Solutions

NC-11 Advanced Thermocouple Assemblies for Molten Metals A37 Series

Our thermocouple assemblies with NC-11 protection sheaths are designed for high temperature use. Our metal-ceramic protection tube NC-11 is a hard, abrasion-resistant, dense material made from two high temperature compatible materials. The combination of this high temperature metal and oxide produces a product with three very important properties. The properties are: superior oxidation resistance to 2,500 degrees Fahrenheit, thermal conductivity comparable to that of stainless steel, and good resistance to wetting by most molten metals.

Applications Include:

- Molten copper and brass to 2,100 degrees Fahrenheit intermittent and continuous immersions.
- Corrosive SO and SO gas (to 2,500 degrees Fahrenheit) and SO and HP gas (to 2,000 degrees Fahrenheit).
- Open hearth furnace checker chambers to 2,450 degrees Fahrenheit.
- Pelletizing chamber of Taconite refining operation to 2,100 degrees Fahrenheit.
- Molten zinc to 1,600 degrees Fahrenheit
- Molten lead to 650 degrees Fahrenheit
- Basic steel and slags to 3,150 degrees Fahrenheit (intermittent), and 2,500 degrees Fahrenheit (continuous in open hearth and general foundry practices).
- Fluid bed cement process with severe corrosion and temperature to 2,400 degrees Fahrenheit (fluid method of producing builders cement).



Specifications		
Part No.	Length (in.)	Type of Mounting
A37-1-12-(specify: J, K, N)	12	Five inch long, one inch NPT, stainless steel support tube.
A37-1-18-(specify: J, K, N)	18	
A37-1-24-(specify: J, K, N)	24	Other support tube lengths available upon request.
A37-1-30-(specify: J, K, N)	30	
A37-1-36-(specify: J, K, N)	36	
A37-1-48-(specify: J, K, N)	48	

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