

TYPE N THERMOCOUPLE GENERAL INFORMATION

COMPOSITION: Nisil/Nicrosil

Nisil: Ni-4.4 wt%
Si-0.1 wt%
Mg

Nicrosil: Ni-14.2 wt%
Cr-1.4 wt%
Si

	Color Code	Magnetic
Nisil: (N)	Red	No
Nicrosil:(P)	Orange	No

ACCURACY:

32°F to 2300°, ± 4° or .75% of temperature reading. Can replace Type “K” thermocouples throughout entire range.

Type “N” is available in beaded assemblies or sheath material. Extension wire and other temperature accessories such as meters, controllers, transmitters, etc., are also available.

ADVANTAGES:

1. Superior thermal stability at temperatures over 1650°F, while other thermocouples such as Type “K” exhibit much greater cumulative drift.
2. Superior thermal stability in that no short term change occurs due to the crystal restructuring.
3. Superior resistance to oxidation. (No green rot.)
4. Does not exhibit hysteresis effect as the Type “K” thermocouple does.

