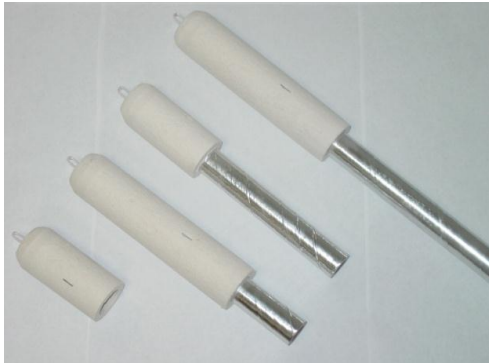


XT[®] Thermocouple

Multiple Immersion Thermocouple for Molten Metal

PRODUCT DESCRIPTION

The improved XT[®] thermocouple with the class 3 sleeve offers the molten metals producer the most accurate, reliable and safe immersion thermocouple available. The class 3 sleeve is a custom developed composite LBF (low bio-persistent fiber) material that offers superior insulation and resistance to molten metal corrosion. The construction of the XT with the class 3 sleeve ensures a robust design that performs well in iron, steel and nonferrous applications. All Heraeus Electro-Nite manufacturing plants utilize the ISO9000-2000 Quality Management System.



Several models and lengths of the XT thermocouple are available. Shown above (from bottom to top) are the XT55, XT512, XT912 and XT924 models.

BENEFITS

- More robust design
- Reduced dust
- Improved packaging
- Better quality from improved control of the sleeve material
- Cost effective



The XT E thermocouple shown measuring temperature in an induction furnace application.

APPLICATIONS

The XT thermocouple is designed to be used in furnaces, ladles, pour boxes, cupola streams and other areas where a multiple immersion temperature is preferred. The XT thermocouple is available in type S and B, IPTS 1948 and 1968 calibration scale. The highly accurate thermocouple element is traceable to NIST and the accuracy is better than .25% of the measured value. The XT thermocouple can measure molten metal temperatures from 900 °F – 3300 °F. The XT2 model is designed for iron and carbon steel, the XT4 model has a corrosion resistant coating that improves performance in high alloy steels and nonferrous metals.



The class 3 sleeve is a custom engineered composite material that offers excellent insulation properties and durability.

Manufactured with AES Fiber

1. AES fiber is manufactured from low bio-persistent fibers (LBF) that contain predominantly Calcia (calcium carbonate) and Silica (silicon dioxide) while RCF fibers contain predominantly Alumina Silica. Low bio-persistent means that the fibers are cleared from the lungs very quickly if they are inhaled. Clearance occurs through the body's natural defense mechanisms. Bio solubility is a factor that influences the bio-persistence of man-made vitreous fibers (MMVF) in the lungs.
2. According to the European Union (EU) Directive 1999/31/EC, waste products containing LBPF can be disposed of in a non-hazardous landfill. In practice, LBF users experience no difficulty disposing of waste LBF fiber. This is the benefit of products containing LBF compared with products containing RCF
3. AES fiber is classified as a Category 3 fiber which meets the European Union (EU) Directive 199/31/EC for disposing of LBF products and EU Directive 97/69/EU for exoneration of toxicology classification. This eliminates any concern about using category 2 RCF fibers. This is an important distinction from standard category 2 RCF fibers which are typically used in foundry applications. **With increased environmental regulations it will become important to specify AES fiber material.**

PACKAGING AND ORDERING INFORMATION

The XT thermocouple is available in 2 models designed for different applications.

XT2 – Specifically designed for iron, carbon steel and non corrosive metals.

XT4 – Specifically designed for stainless steel, corrosive alloys, non ferrous and high temperature applications

Packaging: 50 pieces per box, 1000 pieces per pallet, 24" length 500 pieces per pallet

Part Number

