

For more information on this product and on our complete package of solutions

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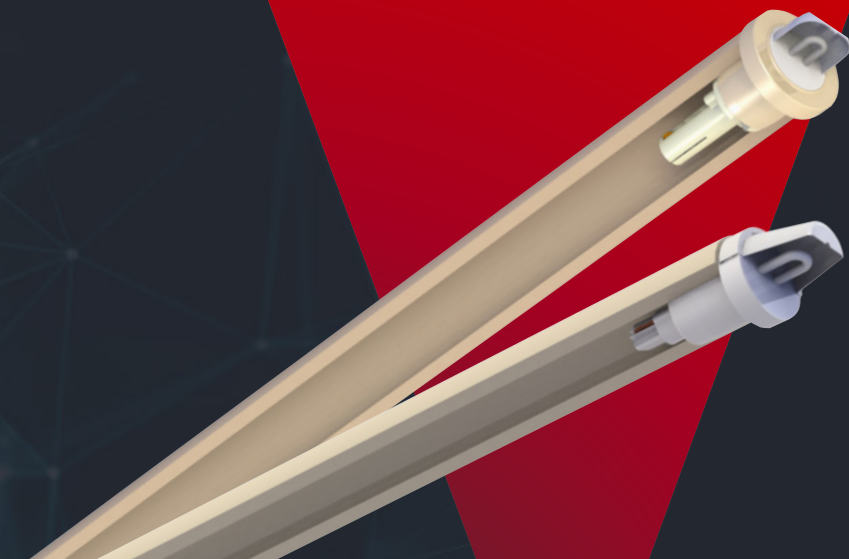
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PRODUCT

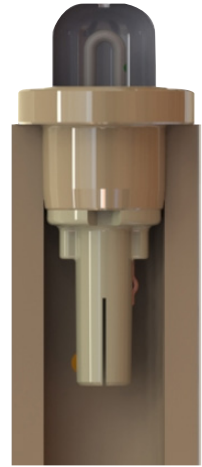
## Temperature sensors disposable thermocouples for molten metal

- Provides an effective way of obtaining a high precision temperature in any molten metal
- Different diameter sizes to work from the lowest to the highest mechanical stress applications
- Disposable thermocouples produced with the best quality standards in the market
- Safety concerns: Non-splash thermocouples protects operators and equipment

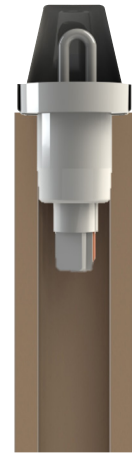
# Vesuvius Temperature Sensors for Molten Metal

## Disposable thermocouples with the best quality standards

- Vesuvius disposable thermocouples fulfill the greatest variety of needs for temperature measurements in industries that process molten metals.
- Vesuvius offers different versions to measure the temperature of metals and alloys within the range from 1100°C (2000 °F) up to 1800°C (~3270 °F).
- The thermocouples can be of Type-S, Type-R or Type-B and are calibrated according to the International Temperature Standards (IPTS 48, IPTS 68 and ITS 90).



Large diameter (3/4")  
Robust applications



Small diameter (3/8")  
Regular applications



## Accurate temperature measurement for all applications

- Versions for BOFs, EAFs or Induction Furnaces, Melting Furnaces, ladles, tundish, or any other measuring point that allows the thermocouple immersion.
- The small diameter version is recommended for tundish and small ladles and the large diameter version is indicated to tougher applications such as BOFs and EAFs.

# Vesuvius Temperature Sensors for Molten Metal

## Non-Splash Thermocouples

- Where operator and/or equipment safety can be affected by metal splashes, it's recommended to use the NS (non-splash) thermocouples;
- The non-splash protection which partial or totally covers the cardboard tube, avoids splashes during the sensor immersion.



**TNS:** Standard Non-Splash Configuration, which completely avoids splashes



**TRNS:** It's used when a minimum splash effect is desirable in order to clean the immersion area and/or avoid slag interference

## Different slag protections to best fit your application

- Each application is completely different, so Vesuvius provides different slag protections to guarantee that the measurement will be as fast as possible, but also protected from slag interference.



STEEL

ALUMINUM

COPPER