



## Immersion Thermocouples

**MINKON Immersion Thermocouples for molten metal temperature measurement have long been recognised as indispensable tools in the production and refining processes of ferrous and non-ferrous metals. Available in a variety of lengths and connector systems, MINKON thermocouples meet the needs of every application.**



### Cost effective process control.

MINKON Thermocouples are specifically designed to meet the demands of the application and available in all classes to suit local instrument configuration and range. They are compatible with plant measuring systems and manufactured to high specification in our ISO9001-2008 controlled facilities

Type "S" (Pt-10%Rh/Pt),  
"R" (Pt-13%Rh/Pt)  
"B" (Pt-30%Rh/Pt-6%Rh)  
in accordance with IEC 584.

We offer a wide range of cardboard tube lengths (from 140 mm to 1700 mm) and slag protection caps (steel, aluminium, copper or brass) are available to suit every application.

MINKON Thermocouples are available in a number of tube diameters, nominally: 18 mm (MMT), 24 mm (Type M) and 27 mm (Type ML).

All units are available with optional Anti-Splash coatings for operator safety.

MINKON also produce a wide range of Multi-Use thermocouples which can be an efficient method for taking multiple immersions in slag free conditions.

MINKON offers a superior range of instrumentation, accessories and hardware suitable for all applications.

#### Technical Specification

Accuracy:  $\pm 1,5^{\circ}\text{C}$  at Pd melting pt  
(1554  $^{\circ}\text{C}$ )

Range: Type S: to 1650 $^{\circ}\text{C}$   
(max. 1750  $^{\circ}\text{C}$ )  
Type R: to 1650 $^{\circ}\text{C}$   
(max. 1750  $^{\circ}\text{C}$ )  
Type B: to 1750 $^{\circ}\text{C}$   
(max. 1820 $^{\circ}\text{C}$ )