

Hand-Held Plug-In Lance



Made in the UK 

Description

Hand-held plug-in lance used in the temperature measurement of molten metal.

This lightweight, portable lance can be ranged for use with type K or R thermocouples depending on the type of molten metal being measured. The 5/8" diameter stainless steel dip arm can be supplied straight or angled at 45° to suit your application. It is terminated with a plastic handle, 1 metre of PFA lead and a mini-plug for connection to a hand-held digital thermometer or other instrumentation.

Type K units are used for measuring the temperature of non-ferrous molten metals; the swaged thermocouple element will endure up to 1000 cycles into a melt but this will vary with different types of metal and slag conditions. When the thermocouple element begins to degrade it can be replaced easily and wired into the plastic handle.

Type R units are more commonly used in ferrous metals at higher temperatures. The stainless steel arm houses a connector for expendable thermocouples.



Specification

Product	Hand-Held Plug-In Lance
Type	K or R thermocouple
Temp Range	0 - 1250°C (K) 0 - 1750°C (R)
Length	1m, 1.2m or to order
Diameter	5/8" Inch
Lead Length	1m or to order
Sensor	Swaged thermocouple element or expendable thermocouple connector
Termination	Plastic handle with lead and mini-plug
Part Number	MAPIL

Features

- Lightweight and portable
- Complete with mini-plug for connection to hand-held instrumentation
- Type K or R
- Angled to suit your application
- Replaceable elements or connectors

Application

- Smelting and casting
- Metal foundries
- Quality control

We calibrate sensors up to **1100°C**

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