

Waterproof, robust immersion/penetration probe (TC type K) - Metal protective tube

This waterproof, robust immersion/penetration probe is designed for accurate temperature measurements in harsh environments.



Technical data

Temperature - TC Type K (NiCr-Ni)

Measuring range	-50 to +230 °C
Accuracy	Class 1 ²⁾
Reaction time	15 s

1) According to standard EN 60584-1, the accuracy of Class 1 refers to -40 to +1000 °C (Type K), Class 2 to -40 to +1200 °C (Type K), Class 3 to -200 to +40 °C (Type K).

General technical data

Weight	130 g
Dimensions	370 mm
Diameter probe shaft	white; silver
Length probe shaft tip	20 mm
Diameter probe shaft	4 mm
Diameter probe shaft tip	3 mm
Cable length	1 m
Fixed cable	yes
Protection class	IP67
Product-/housing material	Stainless steel / GFK
Length probe shaft	86 mm
Measuring rate	2 measurements per second

Delivery Scope:

1 x waterproof, robust immersion/penetration probe (TC type K) with metal protective tube.

Thermocouple Type K Sensor – Ensures precise temperature measurements.

Wide Measuring Range – From -50 to +230 °C for versatile applications.

Waterproof Design – IP65-rated for reliable use in demanding environments.

Durable Construction – Stainless steel shaft with metal protective tube ensures longevity.

Fixed Cable – 1 m length with heat-resistant properties for flexible handling.

The waterproof, robust immersion/penetration probe is engineered for professionals requiring reliable and accurate temperature assessments in demanding environments. Its thermocouple Type K sensor delivers precise readings within a temperature range of -50 to +230 °C, with a response time of 15 seconds, ensuring timely data collection. Constructed with a stainless steel shaft measuring 240 mm in length and 4 mm in diameter, and a metal protective tube, it offers both durability and the ability to withstand harsh conditions. The 1 m fixed cable is heat-resistant, allowing it to endure high temperatures during measurements. Its IP65-rated waterproof construction ensures it can withstand exposure to liquids and dust, making it a practical tool for industrial applications, food production, and quality assurance tasks.