

Stainless Steel Penetration Temperature Probe

Type K ANSI 6.0mm x 120mm

XE-3869-001



Labfacility are the UK's leading manufacturer of Temperature Sensors, Thermocouple Connectors and associated Temperature Instrumentation and stockists of Thermocouple Cables. The Company has been trading since 1971 and is ISO 9001 accredited.

The Labfacility Handheld Stainless Steel Penetration Temperature Probe offers a precision solution for liquid and semi-solid temperature measurement where minimal intrusion and rapid response are essential. Built with a 316 stainless-steel sheath of 6.0mm diameter and 120 mm length, it features a pointed tip for accurate penetration applications. The probe is a Type K thermocouple to ANSI standards and comes complete with a 2 metre coiled cable terminated in a miniature thermocouple plug for convenient handheld or probe-mounted use.

RoHS-compliant, this probe is ideal for food processing, quality control, or small-volume sample monitoring where a thin-profile, durable sensor is required.

Specifications

General Description	Penetration Probe with a pointed tip
Series	Temperature Probe
Thermocouple Type	K ANSI
Probe Diameter	6.0mm
Probe Length	120mm
Cable Length	2m Coiled Cable
Termination Type	Fitted mini plug
Max. Temperature	+450°C

Ordering Information

Colour Code	Thermocouple Type	Probe Style/Tip	Probe Dimensions	Part Number
ANSI	K	Penetration	6.0 x 120mm	XE-3869-001

See below for full range:

Colour Code	Thermocouple Type	Probe Style/Tip	Probe Dimensions	Part Number
IEC	K	Air	4 x 110mm	XE-3800-001
IEC	T	Air	4 x 110mm	XE-3801-001
IEC	K	Air	30 x 120mm	XE-3845-001
IEC	T	Air	30 x 120mm	XE-3846-001
IEC	K	Flat	4 x 140mm	XE-3848-001
IEC	T	Flat	4 x 140mm	XE-3849-001
IEC	K	General Purpose	1.5 x 100mm	XE-3806-001
IEC	T	General Purpose	1.5 x 100mm	XE-3807-001
IEC	T	General Purpose	3 x 100mm	XE-3809-001
IEC	K	General Purpose	1.5 x 300mm	XE-3810-001
IEC	T	General Purpose	1.5 x 300mm	XE-3811-001
IEC	K	General Purpose	3 x 300mm	XE-3812-001
IEC	T	General Purpose	3 x 300mm	XE-3813-001
IEC	K	General Purpose	6 x 120mm	XE-3814-001
IEC	T	General Purpose	6 x 120mm	XE-3815-001
ANSI	K	General Purpose	1.5 x 100mm	XE-3855-001
ANSI	T	General Purpose	1.5 x 100mm	XE-3856-001
ANSI	T	General Purpose	1.5 x 300mm	XE-3858-001
ANSI	K	General Purpose	3 x 100mm	XE-3859-001
ANSI	T	General Purpose	3 x 100mm	XE-3860-001
ANSI	K	General Purpose	3 x 300mm	XE-3861-001
ANSI	T	General Purpose	3 x 300mm	XE-3862-001
IEC	K	Penetration	3.3 x 120mm	XE-3802-001
IEC	T	Penetration	3.3 x 120mm	XE-3803-001
IEC	K	Penetration	3.3 x 300mm	XE-3804-001
IEC	T	Penetration	3.3 x 300mm	XE-3805-001
IEC	K	Penetration	1.6 x 60mm	XE-3850-001
IEC	K	Penetration (reduced tip)	3.3 x 120mm	XE-3852-001
IEC	T	Penetration (reduced tip)	3.3 x 120mm	XE-3853-001
ANSI	K	Penetration	1.6 x 60mm	XE-3863-001
ANSI	T	Penetration	1.6 x 60mm	XE-3864-001
ANSI	K	Penetration	3.3 x 120mm	XE-3865-001
ANSI	T	Penetration	3.3 x 120mm	XE-3866-001
ANSI	K	Penetration	3.3 x 300mm	XE-3867-001
ANSI	T	Penetration	3.3 x 300mm	XE-3868-001
ANSI	K	Penetration	6 x 120mm	XE-3869-001
ANSI	T	Penetration	6 x 120mm	XE-3870-001
ANSI	T	Penetration	6 x 300mm	XE-3872-001
IEC	K	Surface	Spring Loaded K	XE-3816-001
IEC	K	Surface	Right Angled - Copper Disc Tip	XE-3817-001
IEC	K	Surface	90mm long with 10mm tip	XE-3818-001
IEC	K	Surface	Right Angled Surface	XE-3819-001
IEC	K	Surface	170mm	XE-3840-001



ISO 9001

**The world's most
widely recognised
Quality Management
System (QMS)**

Labfacility operates to the rigorous standards of ISO 9001, the world's most widely recognised Quality Management System.

As part of the ISO 9000 family, this framework underpins Labfacility's commitment to consistently meeting customer expectations and delivering products that align with the highest quality benchmarks.

By following these established principles, Labfacility ensures its processes remain efficient, reliable, and focused on continuous improvement—reinforcing trust and confidence across its global customer base.

