

# **Stainless Steel Penetration Temperature Probe Type K IEC 3.3mm x 120mm**

**XE-3802-001**



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 3.3mm diameter and 120 mm length, it features a pointed tip for accurate penetration applications. The probe is a Type K thermocouple to IEC 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

|                            |                                      |
|----------------------------|--------------------------------------|
| <b>General Description</b> | Penetration Probe with a pointed tip |
| <b>Series</b>              | Temperature Probe                    |
| <b>Thermocouple Type</b>   | K IEC                                |
| <b>Probe Diameter</b>      | 3.3mm                                |
| <b>Probe Length</b>        | 120mm                                |
| <b>Cable Length</b>        | 2m Coiled Cable                      |
| <b>Termination Type</b>    | Fitted mini plug                     |
| <b>Max. Temperature</b>    | +450°C                               |

## Ordering Information

| <b>Colour Code</b> | <b>Thermocouple Type</b> | <b>Probe Style/Tip</b> | <b>Probe Dimensions</b> | <b>Part Number</b> |
|--------------------|--------------------------|------------------------|-------------------------|--------------------|
| IEC                | K                        | Penetration            | 3.3 x 120mm             | XE-3802-001        |

**See below for full range:**

# Datasheet



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





## 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.

