# Quick Guide

## EE576 - Probe for Very Low Air Velocity

your partner in sensor technology.

**PLEASE NOTE**

Find this document and further product information on our website at www.epluse.com/ee576.

## Electrical Connection

**WARNING**

Incorrect installation, wiring or power supply may cause overheating and result in personal injury or property damage. Cables must not be under voltage during electrical installation and connection or disconnection, especially at terminal connections on circuit boards. For correct cabling, always observe the presented wiring diagram for the product version used. The manufacturer cannot be held responsible for personal injury or damage to property caused by incorrect handling, installation, wiring, power supply or maintenance of the device.

### Wiring

Cable PVC 3 x 0.25mm² with cable end sleeves.

| Function | Wire Colour |
|---|---|
| V+ Supply voltage | White |
| Analogue output | Green |
| GND | Brown |

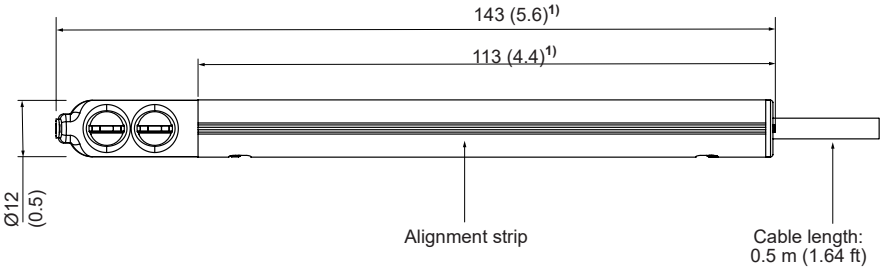
The EE576 is not reverse voltage- and short-circuit proof.

**PLEASE NOTE**

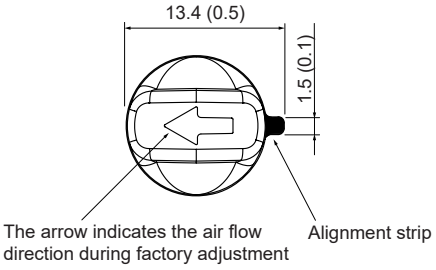
- Avoid mechanical stress onto the probe and mainly onto the sensing head.
- Avoid installation in corrosive environment, as this may lead to sensor destruction.
- Accurate measurement results are conditioned by the correct positioning of the sensing probe in the air stream.
- Best accuracy is achieved in laminar flow.
- Observe the humidity working range 10…95% RH, non-condensing.

## Dimensions

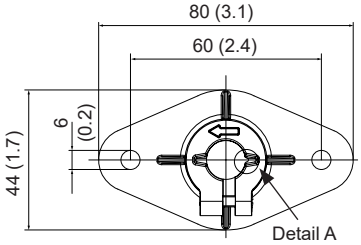
**Probe** PC (Polycarbonate)

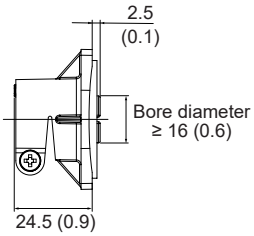



**Front sensing head**

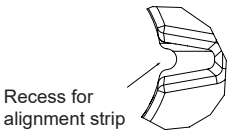



**Mounting Flange**



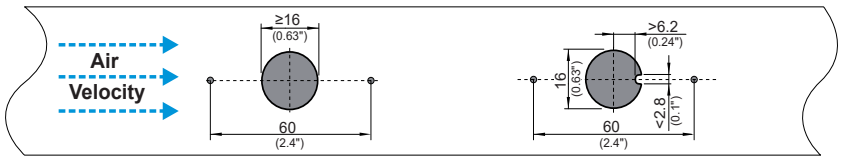




**Detail A**




**Bore Hole for Mounting**

Drilling in the duct wall




**Optional**

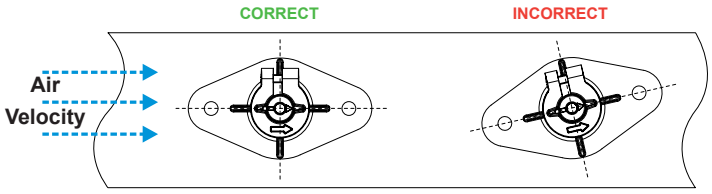
Laser Cutting of holes in the duct wall

By leaving a key notch in the hole in the wall of the duct, the flange can be mounted in the correct direction of the air stream.

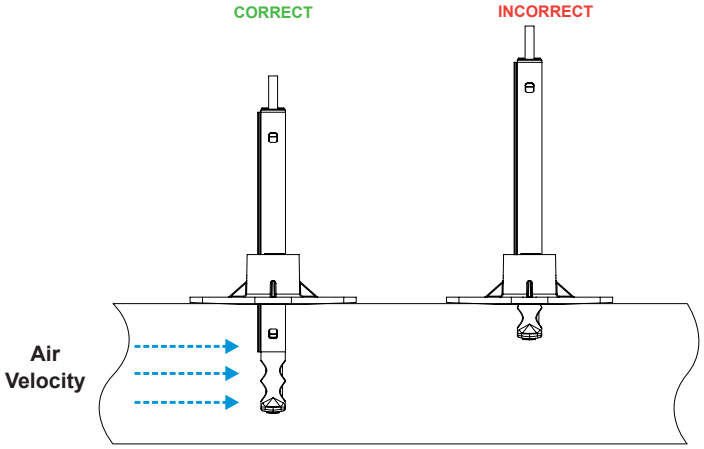
1) Orders for probes produced before 06/2025 have a length of 7 mm (0.3") more.

## Installation

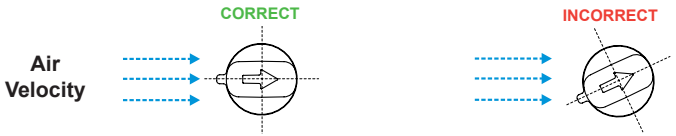
The alignment strip along the probe's tube and the matching mounting flange determine the orientation of the sensor probe. The arrow at the tip of the sensor probe and on the mounting flange marks the direction of the air stream.
Install the mounting flange in a way that the alignment is parallel to the air stream.




The mounting flange allows for infinitely variable immersion depths of the sensor probe. Ensure that both sensor slots are in the air stream.




If the sensor probe is installed without a mounting flange, ensure that the air velocity sensor is aligned parallel to the air stream.




## Electromagnetic Compatibility

EMC for basic environment.
The sensor is a group 1 devices and corresponds to class B.

## FCC Part 15 Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the installation manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## ICES-003 Compliance Statement

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

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