

# SmokeESC AIP-3000 User Manual

## 1 Introduction

AIP is a measuring tool for use with PS-3000 and SDC-3000. AIP-3000 is protecting pressure measurement system from dust and dirt. It also stabilizes measured value.

### 1.1 Parametry techniczne

PARAMETER	VALUE
Work temperature	From -25°C to +50°C
Storage temperature	From -25°C to +70°C
Humidity	<90% RH, no condensation
Environmental class	2
Enclosure protection class	IP20
Dimensions with a grommet	49 × 77 × 37 mm
Weight	50 g
Altitude above sea level	<2000 m AMSL.

### 1.2 General description

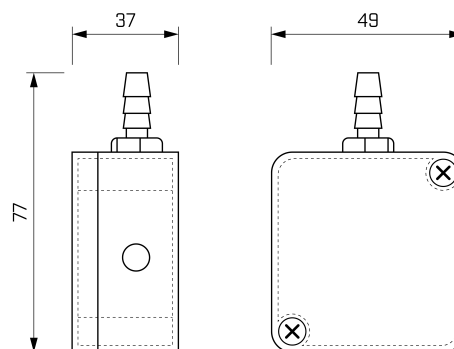
This device is used to be mount in control spaces in which pressure difference measurement is made with PS-3000 or SDC-3000 units. It's built-in filter protects device against dust that comes from i.e. from building works that can normally access measurement devices that causes a plug.

## 2 Installation

Before commissioning make sure that there is no visible damage. Installation has to be done with consideration of recommendation of this user manual.

### 2.1 Installation recommendation

This device dimensions are present of figure 1. This device has to be mount with its grommets facing up. For mounting to a wall use two screws/bolts with diameter of 3.5 mm and a length of at least 35 mm that are selected for type of a surface that device is being mount on.



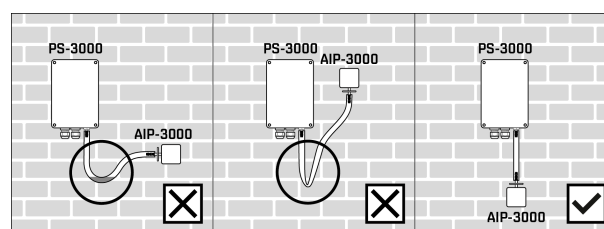
Rys. 1: Dimensions AIP-3000 in mm

#### Notes on safety!

- It is necessary to carefully read this user manual.
- Proper working conditions in accordance with the device's technical requirements should be ensured. In particular, environmental conditions should be checked.
- Improperly mounted equipment may detach from its mounting location. As a result, the device can be mechanically damaged. In the event of a human impact, it can lead to head injuries, loss of consciousness, and in extreme cases, death.

### 2.2 Pneumatic hose connection

Pneumatic connection of to sensor (figure 2) has to be made with pneumatic hose with a internal diameter no less than 6 mm. Pneumatic hose has to be led without bending that diminishes internal diameter of a hose. Pneumatic hose has to be protected from slipping off with usage of metal clamp band. Pneumatic hose should be put in a way that prevents creating a shape of a siphon otherwise it may get plugged with dirt.



Rys. 2: Installation scheme

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