

CP2



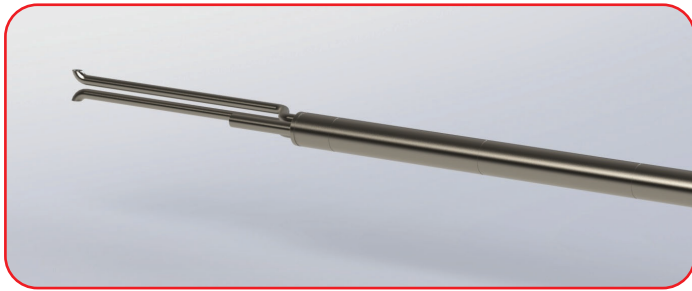
**dado** lab



# CP2 Probe

## Description

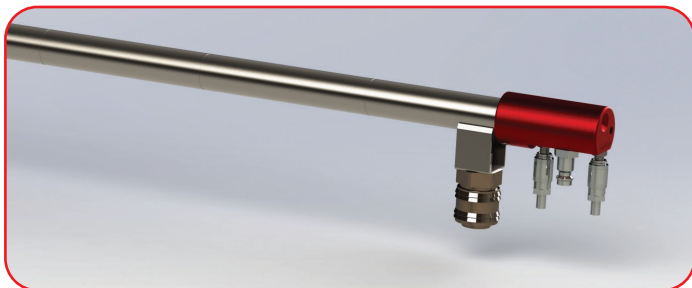
The CP2 is the compact and functional probe made as a practical solution for flue gas velocity and flowrate determinations. Made completely in AISI316 steel, it can be used with temperatures up to 600°C. In the beginning, it was designed as a classical one-block probe with Pitot tube and thermocouple, and then evolved during development to become a practical solution available to technicians for both velocity/flowrate evaluations and PM determination in small ducts.



In its standard version, the CP2 is composed of a Pitot tube and a thermocouple, however, it is possible to upgrade this version with a 25mm filterholder or sintered filter to use it also as sampling solutions in small stacks for particulate matter or gas sampling.

A quick connector on the back of the probe allow to add a support to be used for the movement of the probe without touching the probe body directly. This connector can also be used as support for the ST2, also allowing to rotate for swirl determination or simply for a better positioning.

Also the Pitot tube are equipped with quick connectors and are installed, as well as for the thermocouple, in vertical position in order to avoid 90° bending of the tubes which may lead to occlusions or affect the measures.



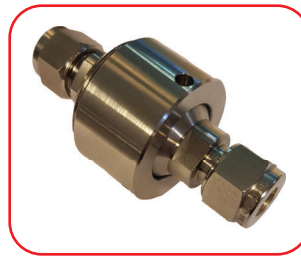
## Costruction

Realized completely in AISI316 steel, the CP2 has a built-in AISI316 steel sampling tube on which it is possible to install, in any moment, a sintered filter for gas sampling or a 25mm filterholder complete with gooseneck and nozzle for the determination of particulate matter concentration.



This constructive solution makes the CP2 a versatile and cost effective tool both for flue gas velocity/flowrate evaluations and constant flow or isokinetic sampling in ducts where a standard probe cannot be easily used because of their size.

The filter holder is made entirely of steel AISI316 and includes a support for 25mm filters also in steel and with support grid liftable.



To fix the probe to the duct or chimney, a threaded connection is available for 2" stack ports. The device is also equipped with a counterflange for standard 4" ports.

## Technical Specifications

Thermocouples input (std programmed curve type "K" as per ITS 1990)

Range -20 ÷ 1200 °C  
 Resolution 0.01 °C  
 Accuracy 1% (± 0.4 °C)

## Models and accessories



101 106 1001 CP2 Probe L = 700 mm

101 106 1011 CP2 Probe L = 1500 mm



101 106 2001 CP2 connection cable L= 3mts

101 106 2011 Slide and lock device 2" with adapter/flange 4"



101 106 2021 Gas sampling sinter filter

101 106 2101 25mm Filterholder kit for CP2 probe

101 102 2081 AISI 316 Curve for nozzles

101 102 2082 AISI 316 nozzle diam. 4

101 102 2083 AISI 316 nozzle diam. 5

101 102 2084 AISI 316 nozzle diam. 6

101 102 2085 AISI 316 nozzle diam. 7

101 102 2086 AISI 316 nozzle diam. 8

101 102 2087 AISI 316 nozzle diam. 9

101 102 2088 AISI 316 nozzle diam. 10

101 102 2089 AISI 316 nozzle diam. 11

101 102 2090 AISI 316 nozzle diam. 12

101 102 2091 AISI 316 nozzle diam. 14

101 102 2092 AISI 316 nozzle diam. 15

101 102 2093 AISI 316 nozzle diam. 16

