

Product data sheet

OndoSense AirChill

Accessories for OndoSense *apex*



ONDOSENSE
apex

Mechanical Data

Mechanical data	
Dimensions (W x H x D)	130 x 146 x 134 mm ³
Weight	1.9 kg
Housing material	1.4301/1.4307 (304/304L)
Product temperature	Up to 1600 °C
HeatWindow temperature	Up to 1000 °C
Environment temperature	-40 °C .. +120 °C
Compressed air connection	8 mm Hose
Max. operating pressure	12 bar (across the entire temperature range)
Min. operating pressure	1 atm
Min. air flow	210 litre/min (12.6 CBM/h)
Operating medium	Compressed air according to ISO 8573-1:2010 [7:-:-]
Cable cover connection	Flange with Ø28 mm OD
Fastening	4x M8
Part No.	PS.2100.1000

HeatWindow Options

Level	HeatWindow 1000
Radiant heat (Short-term)	1000 °C
Radiant heat (Long-term)	700 °C
Shield material	Mica (Phlogopite)
Dimensions [mm]	150x130
Thickness [mm]	1
Part No. for Replacement Orders	HW.1000.1000

Notes on Use

Temperature range

The AirChill is intended for applications in which the sensor is exposed to strong irradiation heat, such as from molten or glowing metal up to surface temperatures of 1600 °C.

The heat shield is available in two variants and can withstand short-term temperatures up to 1000 °C.

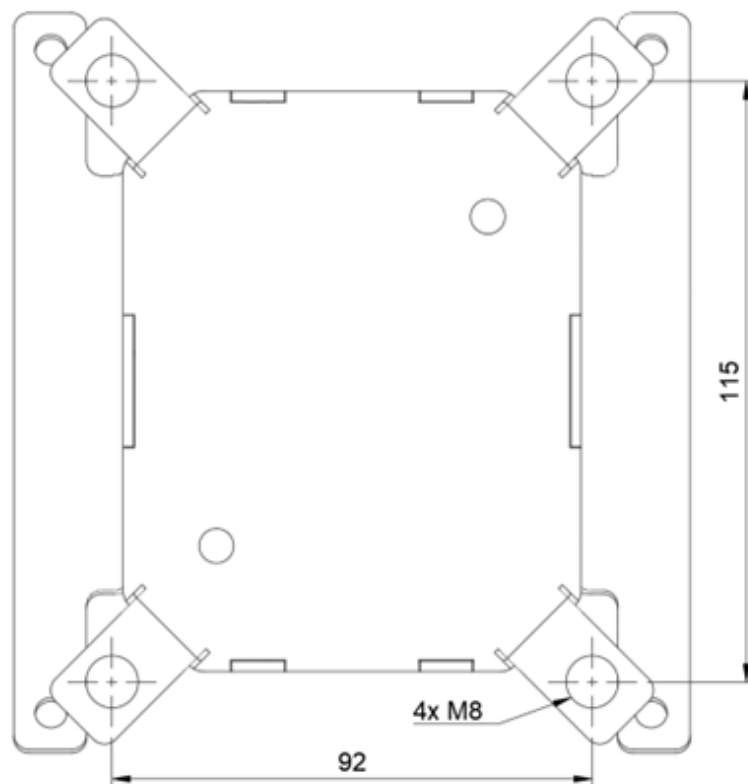
The environment temperature at the location of the heat shield can be up to 120 °C.

Maintenance

Clean the lens of the sensor as well as the heat shield in regular intervals in case of strong accumulation of dirt on the sensor lens.

The heat shield is a replaceable part that can be ordered from OndoSense.

Mounting Dimensions



Dimensional Drawings – HeatWindow 1000

