

Certificate no:9302107

# Calibration Certificate

## Adjustment and Calibration of an Air speed probe SWA 31E

### Calibration result:

S/N: 390839  
Manufact. date: 2019-10-28  
Required Software version: 1.00  
Required Hardware version: 1.00

Cal. date: 2019-10-29  
Cal. setup: SWEMA(A/N 90)  
Next cal. date: 2020-10-29

Cal. cond.: 1014 hPa 28 %RH

True val.	Read val.	Corr
10.0 cm/s	10.2 cm/s	-0.2
25.0 cm/s	26.5 cm/s	-1.5
60.0 cm/s	60.8 cm/s	-0.8
1.00 m/s	1.01 m/s	-0.01
2.00 m/s	2.00 m/s	0.00
3.00 m/s	2.92 m/s	0.08
5.00 m/s	4.90 m/s	0.10
7.00 m/s	6.83 m/s	0.17
10.0 m/s	10.0 m/s	0.0
22.9 dgC	22.7 dgC	0.2

### Calibrated by

Sena Masic  
Sena Masic



### Uncertainty of measurement:

Velocity  
0,07-0,50 m/s =  $\pm 0,02$  m/s.  
0,50-3,00 m/s =  $\pm 0,03$  m/s  
3,00-6,00 m/s =  $\pm 0,04$  m/s  
6.00 - 12.00 m/s =  $\pm 1$  % r.v.  
Temperature  $\pm 0,3^{\circ}\text{C}$   
Coverage probability 95%  
Instrument uncertainty – see manual

### Measuring method:

Calibration in a free air stream

### The sensors position in the air stream:

Horizontal with the arrow in the air stream direction.

