

Certificate no: 0044521

Calibration Certificate

Adjustment and Calibration of an Air speed probe SWA 31

Calibration result:

S/N: 389839
Manufact. date: 2018-04-09
Required Software version: 1.00
Required Hardware version: 1.00

Cal. date: 2020-02-13
Cal. setup: SWEMA (A/N 90)
Next cal. date: 2021-02-13
Cal. cond.: 992 hPa 20 %RH

True val.	Read val.	Corr
10.0 cm/s	8.4 cm/s	1.6
25.0 cm/s	26.8 cm/s	-1.8
60.0 cm/s	63.7 cm/s	-3.7
1.00 m/s	1.03 m/s	-0.03
2.00 m/s	2.01 m/s	-0.01
3.00 m/s	2.94 m/s	0.06
5.00 m/s	4.86 m/s	0.14
7.00 m/s	6.83 m/s	0.17
10.0 m/s	10.1 m/s	-0.1
24.3 dgC	24.1 dgC	0.2

Calibrated by


Joyce Ackermann



Uncertainty of measurement:

Velocity

0,07-0,50 m/s = ± 0,02 m/s.

0,50-3,00 m/s = ± 0,03 m/s

3,00-6,00 m/s = ± 0,04 m/s

6.00 - 12.00 m/s = ± 1 % r.v.

Temperature ±0,3°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.

