

1) Calibrated Instrument

Manufacturer: **SWEMA**
 Type: **3000md with probe SWA-31E**
 Device Designation: **Anemometer**
 Device Serial Number: **675469**
 Probe Serial Number: **386099**
 Device ID: **105502**

2) Calibrating Conditions

Operator: **P.S.**
 Date: **30-10-2019**
 Ambient Temperature: **21,5 °C**
 Relative humidity: **38 %HR**
 Atmospheric Pressure: **1025 hPa**
 Calibrating Principles: **The point of calibration are realized with means of calibration according to : bench velocity WT180-500, measuring from 0,3 to 28 m/s controlled with flow transmitter CTV310, and two pressure transmitters CP301, CP303. All devices are held against the references instrument SWEMA 3000md sn: 676029 with probe SWA-31 sn: 386429 and pitot tube sn: 12972, which is traceable to national standard by SP certificates.**

3) Measurement results

Vr (m/s)	Vi (m/s)	Vi-Vr (m/s)	Uncertainty (m/s)
0,3	0,28	-0,020	0,04
0,6	0,61	0,010	0,04
1,0	0,99	-0,010	0,05
2,0	1,97	-0,030	0,07
3,0	2,95	-0,050	0,08
4,0	3,94	-0,060	0,10
6,0	6,01	0,010	0,11
8,0	8,03	0,030	0,13
10,0	10,00	0,000	0,14
15,0	15,49	0,490	0,17

Vr: value displayed by our reference instrument, Vi: valeur displayed by customer's instrument.

Comments: **The temperature checking give : Vr 21,0°C ; Vi 21,1°C**

**the measurement uncertainty stated is a combination of laboratory and shot term contributions from calibration item. The uncertainty is given with a coverage factor of 2 corresponding to a coverage probability of approx. 95%.
 the values stated are valid for the calibration item only and are mean values of 3 successive readings.
 The measurement uncertainty is calculated in accordance with EA-4/02.**

Laboratories manager

