

project: Wind monitoring
 instrument: iBox
 ser. Nr/code: 195
 date: 23.00 december 2009
 range: 0 to 50 m/s
 channel: 2 windinput with own regulator
 FIRST CLASS ANEMOMETER CALIBRATION
 calibration data anemometer
 calibration accuracy: 0.1 m/s
 anemometer serial nr: 09_7423
 (refer calibration certificate)
 a= 0.04572 (slope)
 b= 0.265 (m/s) (offset)

windspeed v (m/s)= a* frequency (Hz) +b (if $v > 0$)

Calibration of iBox:

anemometer frequency (Hz)	wind speed calibration certificate (m/s)	indicated windspeed iBox (m/s)	deviation (m/s)
100.00	4.84	4.81	0.03
200.00	9.41	9.39	0.02
400.00	18.55	18.57	-0.02
600.00	27.70	27.77	-0.07
800.00	36.84	36.95	-0.11

Authorization by EKOPOWER:

S Brans (calibration Officer)