

project: Wind monitoring  
 instrument: EKO21N /iBOX  
 ser. Nr/code: 152  
 date: April 2009  
 range: 0 to 50 m/s  
 channel: 2  
 FIRST CLASS ANEMOMETER CALIBRATION  
 calibration data anemometer  
 calibration accuracy: 0.1 m/s  
 anemometer serial nr: 0856\_09  
 (refer calibration certificate)  
 a= 0.76580 (slope)  
 b= 0.271 (m/s) (offset)

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

Calibration of EKO 21:

| anemometer<br>frequency<br>(Hz) | wind speed<br>calibration<br>certificate<br>(m/s) | indicated<br>windspeed<br>EKO 21<br>(m/s) | deviation<br>(m/s) |
|---------------------------------|---|---|--------------------|
| 5.00                            | 4.10  | 4.13                                      | -0.03              |
| 10.00                           | 7.93  | 7.95                                      | -0.02              |
| 15.00                           | 11.76   | 11.78                                     | -0.02              |
| 20.00                           | 15.59   | 15.62                                     | -0.03              |
| 25.00                           | 19.42   | 19.45                                     | -0.03              |

Authorization by EKOPOWER:

S Brans (calibration Officer)