

Certificate of calibration

 Type: NR01
 Serial Number: 1570

no.	description	type	serial no.	date	sensitivity $\mu\text{V}/(\text{W m}^{-2})$
1	Pyranometer UP	SR01	2225	14-11-2011	13.33
2	Pyranometer DOWN	SR01	2226	14-11-2011	15.00
3	Pyrgeometer UP	IR01	2208	15-11-2011	10.87
4	Pyrgeometer DOWN	IR01	2209	15-11-2011	10.47

Performed by: T. Meskers

Connections:

description	colour	cable no.
Pyranometer UP [-]	Blue	cable1
Pyranometer UP [+]	Red	cable1
Pyrgeometer UP [-]	Yellow	cable1
Pyrgeometer UP [+]	Brown	cable1
Pyrgeometer DOWN [-]	Grey	cable1
Pyrgeometer DOWN [+]	Pink	cable1
Pyranometer DOWN [-]	Green	cable1
Pyranometer DOWN [+]	White	cable1
heater	Brown	cable2
Pt100 [+]	Red	cable2
Pt100 [+]	White	cable2
Pt100 [-]	Blue	cable2
Pt100 [-]	Green	cable2
heater	Yellow	cable2

Calibration procedure according to ISO 9847.

The Hukseflux standard is traceable to an outdoor WRR calibration. Some small corrections are made to transfer this calibration to the Hukseflux standard conditions:

- sun at zenith
- ambient temperature 25° C

Traceability of calibration of pyrgeometers is to ITS-90 International Temperature Scale. The instrument in the standard configuration contains a temperature sensor of type Pt100, according to IEC175:1983, class A.