

**Certificate of calibration**

Type: NR01

Serial Number: 1457

no.	description	type	serial no.	date	sensitivity $\mu\text{V}/(\text{W m}^{-2})$
1	Pyranometer UP	SR01	1963	03-02-2011	13,8
2	Pyranometer DOWN	SR01	1964	03-02-2011	13
3	Pyrgeometer UP	IR01	1952	09-02-2011	9,2
4	Pyrgeometer DOWN	IR01	1953	09-02-2011	9,8

Performed by: J. Joustra

## 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

Traceability of calibration of pyranometers is to the WRR, in accordance with the procedure according to the ISO 9847 standard. 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
- 500 W/m<sup>2</sup> irradiance level.

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.