HukseefluxUSA

Certificate of Calibration

Type: RA01
Serial Number: 1011

No.	Type	Description	Serial No.	Date	Sensitivity
1	Pyranometer	SR01	1416	1-10-2011	14.90 μV/W/m²
2	Pyrgeometer	IR01	1416	1-10-2011	8.34 μV/W/m²

Performed by: Robert Dolce

Signal Wire Connections:

Description	Color	Cable No.
Pyranometer [-]	Blue	Cable 1
Pyranometer [+]	Red	Cable 1
Pyrgeometer [-]	Yellow	Cable 1
Pyrgeometer [+]	Brown	Cable 1
Cable Shield [Ground]	Shield	Cable 1
Pt100 RTD [+]	Red	Cable 2
Pt100 RTD [+]	White	Cable 2
Pt100 RTD [-]	Blue	Cable 2
Pt100 RTD [-]	Green	Cable 2
Heater 12 VDC [+]	Brown	Cable 2
Heater 12 VDC [-]	Yellow	Cable 2
Cable Shield [Ground]	Shield	Cable 2

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 ERR calibration. Some small corrections are made to transfer this calibration to the Hukseflux standard conditions:

- sun at zenith
- 500 W/m² irradiance level

Traceability of the pyrgeometer is to the World Infrared Standard Group of pyrgeometers, via side-by-side comparison to a Kipp & Zonen CG4 IR pyrgeometer under clear nighttime sky conditions. The instrument contains a Pt100 temperature sensor, according to IEC175:1983, Class A.