



AccuFlux, Inc.
80 Orville Drive, Suite 100
Bohemia, New York 11716
USA
T +1(631) 796-2308
F +1(631) 657-0364
E info@accuflux.com

CALIBRATION CERTIFICATE NET RADIOMETER

MODEL / SERIAL NUMBER : Kipp & Zonen CNR1 / SN: 990181

CALIBRATION FACTORS

CM3 PYRANOMETER (UP) : 9.94 $\mu\text{V}/\text{Wm}^{-2}$
CM3 PYRANOMETER (DOWN) : 9.96 $\mu\text{V}/\text{Wm}^{-2}$
CG3 PYRGEOMETER (UP) : 9.66 $\mu\text{V}/\text{Wm}^{-2}$
CG3 PYRGEOMETER (DOWN) : 9.58 $\mu\text{V}/\text{Wm}^{-2}$
CNR1 MEAN CM3 SENSITIVITY : 9.95 $\mu\text{V}/\text{Wm}^{-2}$
CNR1 MEAN CG3 SENSITIVITY : 9.62 $\mu\text{V}/\text{Wm}^{-2}$

CALIBRATION PROCEDURE

: Both CM3 pyranometers have been calibrated outdoors against a collocated Kipp & Zonen CM6B reference pyranometer under mid-noon daytime clear sky conditions. Once the sensitivity of the up-looking CM3 pyranometer has been determined, the CNR1 was inverted and the calibration process repeated to determine the sensitivity of the down-looking CM3 pyranometer in the global hemispheric solar irradiance mode.

: Both CG3 pyrgeometers have been calibrated outdoors against a collocated Kipp & Zonen CG3 reference pyrgeometer under nighttime clear sky conditions. Once the sensitivity of the up-looking CG3 pyrgeometer has been determined, the CNR1 was inverted and the calibration process repeated to determine the sensitivity of the down-looking CG3 pyrgeometer in the down-welling global IR irradiance mode.

REFERENCE PYRANOMETER

: CM6B REFERENCE PYRANOMETER:

The CM6B transfer reference pyranometer was calibrated outdoors, against a WRR traceable Kipp & Zonen CM21 Secondary Standard reference pyranometer under clear sky local noontime conditions.

REFERENCE PYRGEOMETER

: CG3 REFERENCE IR PYRGEOMETR:

The sensitivity of the CG3 IR reference transfer standard pyrgeometer used for this calibration is traceable to the World Infrared Standard Group of pyrgeometers, maintained by the WRC/PMOD in Davos, Switzerland.

IN CHARGE OF CALIBRATION

: Robert Dolce, June 20, 2008, Bohemia, NY

Notice:

This calibration certificate is valid for two years upon customer receipt. Although the actual date of calibration and customer receipt may vary, the instrument will not exhibit any sensitivity drift effect while packaged and shielded from solar / visible radiation effects; also refer to the 'non-stability' performance (max. sensitivity / year drift) in the radiometer specifications list.