

MEASUREMENT REPORT PYRANOMETER

Routine measurement of temperature dependency during final inspection.

DATE OF MEASUREMENT

: 05/10/2011

PERFORMED BY

: F. de Wit

PYRANOMETER TYPE

: CMP 22

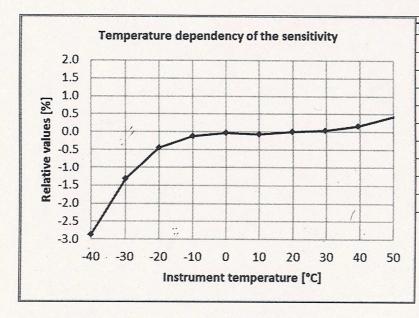
SERIAL NUMBER

: 110292

PROCEDURE:

The pyranometer is mounted on a vertical table in the climate chamber. Outside the chamber a 250 W Tungsten-Halogen lamp, at a distance of 60cm, illuminates the pyranometer at normal incidence. During the test, the pyranometer is ventilated at a windspeed of 5 m/s.

The pyranometer is tested in a temperature range over 50 °C down to -40 °C in steps of 10 °C. The relative temperature dependency is plotted below



T [°C]	deviation [%]
50	0.44
40	0.16
30	0.03
20	0.00
10	-0.07
0	-0.04
-10	-0.13
-20	-0.44
-30	-1.33
-40	-2.86

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