

## MEASUREMENT REPORT PYRGEOMETER

Routine measurement of temperature dependency during final inspection.

DATE OF MEASUREMENT

: 07/11/2011

PERFORMED BY

: F. de Wit

PYRGEOMETER TYPE

: CGR 4

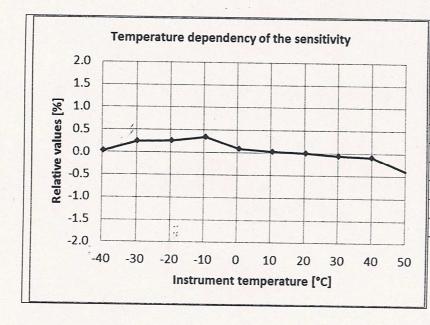
SERIAL NUMBER

: 110401

PROCEDURE:

The pyrgeometer 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 pyrgeometer at normal incidence. During the test, the pyrgeometer is ventilated at a windspeed of 5 m/s.

The pyrgeometer 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	V
[°C]	deviation [%]
50	-0.41
40	-0.08
30	-0.06
20	0.00
10	0.03
0	0.09
-10	0.35
-20	0.26
-30	0.24
-40	0.03