

MEASUREMENT REPORT

PYRGEOMETER

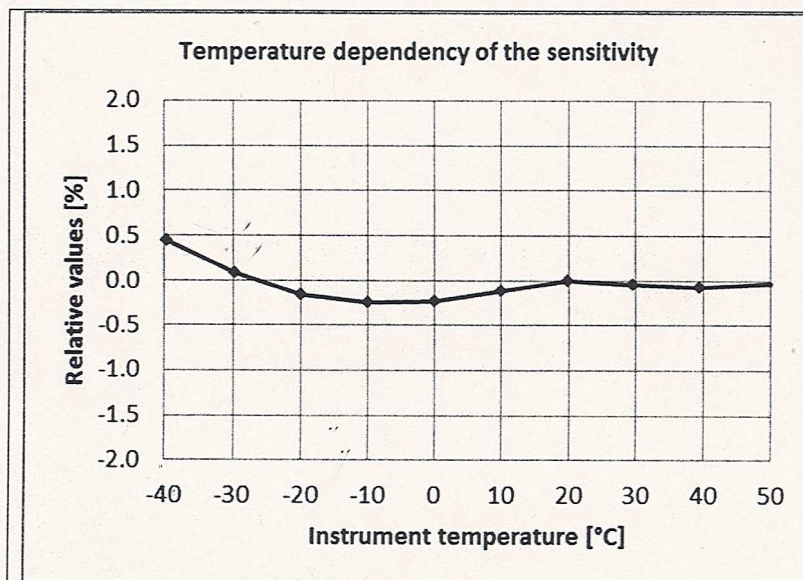
Routine measurement of temperature dependency during final inspection.

DATE OF MEASUREMENT : 07/11/2011
 PERFORMED BY : F. de Wit
 PYRGEOMETER TYPE : CGR 4
 SERIAL NUMBER : 110399

PROCEDURE:

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

The pyrgometer 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 | -0.02 |
| 40 | -0.07 |
| 30 | -0.04 |
| 20 | 0.00 |
| 10 | -0.12 |
| 0 | -0.22 |
| -10 | -0.24 |
| -20 | -0.16 |
| -30 | 0.09 |
| -40 | 0.45 |