

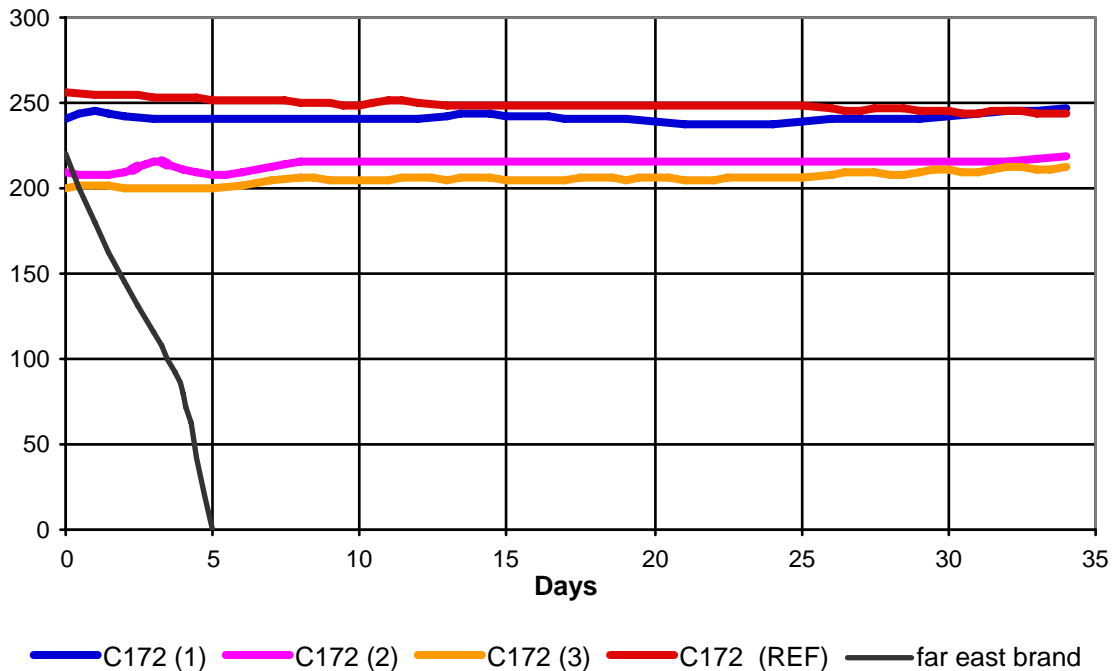
KUBE Pyroelectric Sensors

Long Term Stability under Humid Environmental Conditions:

Low cost pyroelectric sensors, such as offered from far east manufacturers, generally degrade with time, especially when exposed to humidity, because of the very high impedance circuit inside and the lack of a hermetic encapsulation.

KUBE qualifies its sensors for long term stability and humid environment by regular tests (see graph below). This becomes specially important in low power applications where the negligible heat dissipation in the sensor will not prevent condensation, and in outdoor applications such as light switches.

Typical KUBE Pyroelectric Sensor Sensitivity in Tropic Climate Cycles



Test Conditions

8hrs. 48°C / 95%RH, 16hrs. 20°C / 50%RH

Devices not powered except for test

Devices from batch 302/324

Sensitivity in arbitrary units

REF = Reference unit not in test