

To:
Pyranometer users

Subject:
Desiccant replacement interval

From:
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Date:
06-07-2016

Kipp & Zonen states that the replacement of the (external replaceable) desiccant for their radiometers can be done at 6 months intervals. Even in humid environments the desiccant is guaranteed for at least 6 months, so no condensation takes place inside the instrument. A good practice is to combine checking the desiccant and the leveling of the instrument and cleaning the dome.

The color change of the desiccant beads takes place from orange to transparent at 6% weight absorption at 40% relative humidity. The maximum weight absorption is 23% at 40% rH. This means that even after the desiccant color has changed to transparent the beads are still active.

Desiccant beads can be easily exchanged by using refill packs. To compensate for a long storage interval before installation, extra desiccant packs are provided. Alternatively the beads (not the cartridge) could be regenerated by drying in an oven at 120°C (several hours) until the color has changed back to orange.

Replace desiccant if clear

Ersetzen Sie das Trocknungsmittel, wenn es farblos geworden ist

Remplacer le déshydratant s'il est clair

Substituya el desecante si está transparente

