



Probiks[®] HU Humidity Indicator

Probiks is a patented Humidity Indicator PAT. PEND. PCT/SE02/02313 from Alfasensor AB. It shows if and for how long a predetermined threshold value for Relative Humidity has been exceeded.

Specifications Probiks HU:

- This indicator shows the period of time relative humidity levels have exceeded 85% RH at 23°C
- The indicator accumulates exposure and therefore has a unique logging function
- Indication is irreversible
- Accuracy of indication: ± 3 per cent RH
- Slowness of indication: 8-12 hours – the time it will take before the first colour shift becomes visible
- Durability:
 - Unexposed indicator: min. 1 year
 - Exposed indicator: min 10 weeks
- The calibrated scale on the illustrations on this page applies to 23°C and 94% RH.



The indicator has not been exposed to humidity above the threshold value



The indicator has been exposed to 94% RH for approx. 24 hours at 23°C

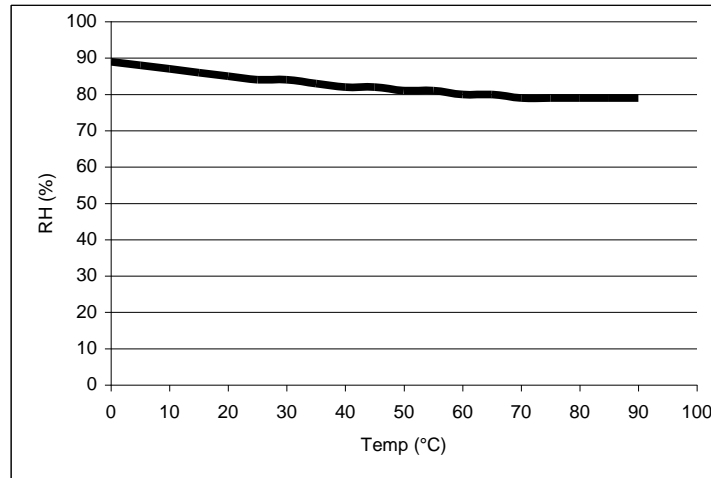


The indicator has been exposed to 94% RH for more than 3 days



The threshold value is temperature dependent

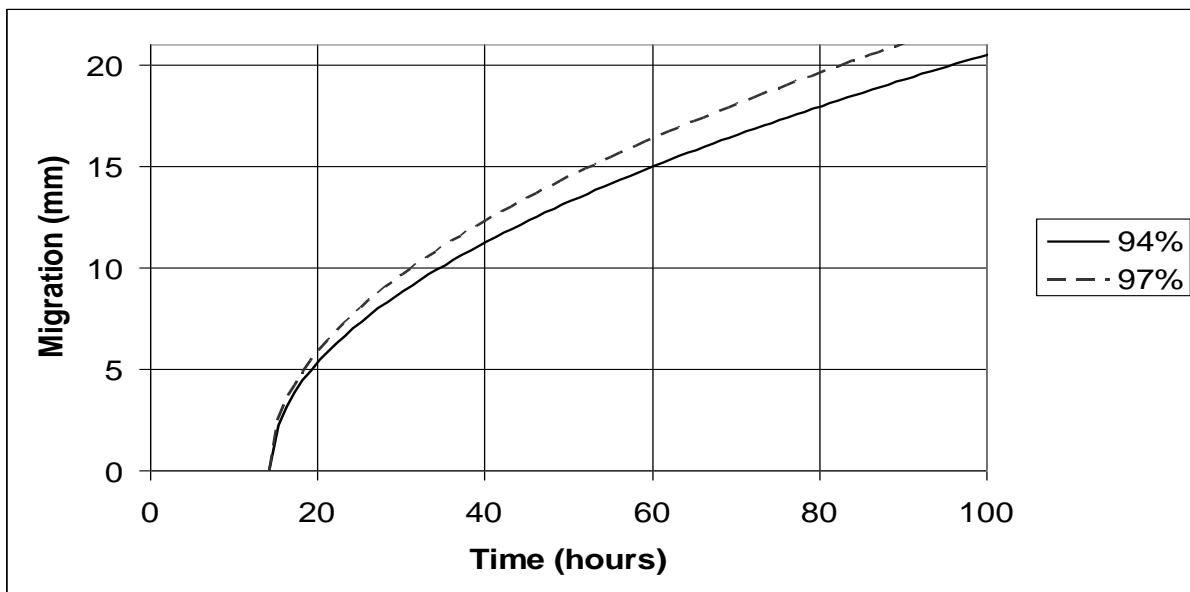
Characteristics for Probiks HU at different temperatures



This diagram shows that temperature has a certain effect on the level above which Probiks HU will indicate exposure to humidity. The threshold value is 85% RH at 23°C, 87% at 10°C and 82% RH at 40°C.

Migration speed depends on the humidity level

Characteristics for the Probiks HU at different relative humidity levels



The diagram shows the migration speed of indication at 23°C and different levels of relative humidity. For example, the lowest curve shows the migration speed at 94% RH. At that level, the indication is 15 mm long after 60 hours. Increased humidity and/or temperature levels lead to accelerated migration speed.