



Probiks[®] BI 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 BI:

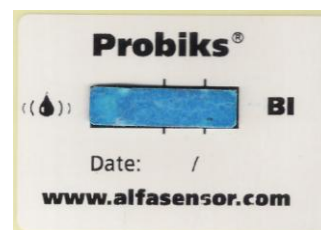
- This indicator shows the period of time relative humidity levels have exceeded 75% RH at 23°C
- The indicator accumulates exposure and therefore has a unique logging function
- Indication is irreversible
- Accuracy of indication: ± 3 per cent RH
- Slowness of indication: 8-12 hours – the time it will 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 85% RH.



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



The indicator has been exposed to 85% RH for approx. 8 days at 23°C

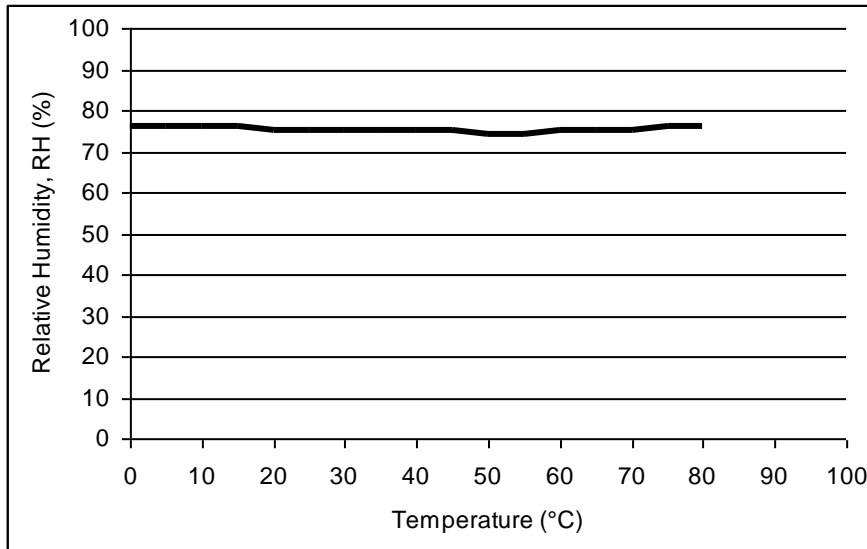


The indicator has been exposed to 85% RH for more than 16 days at 23°C



The threshold value is temperature dependent

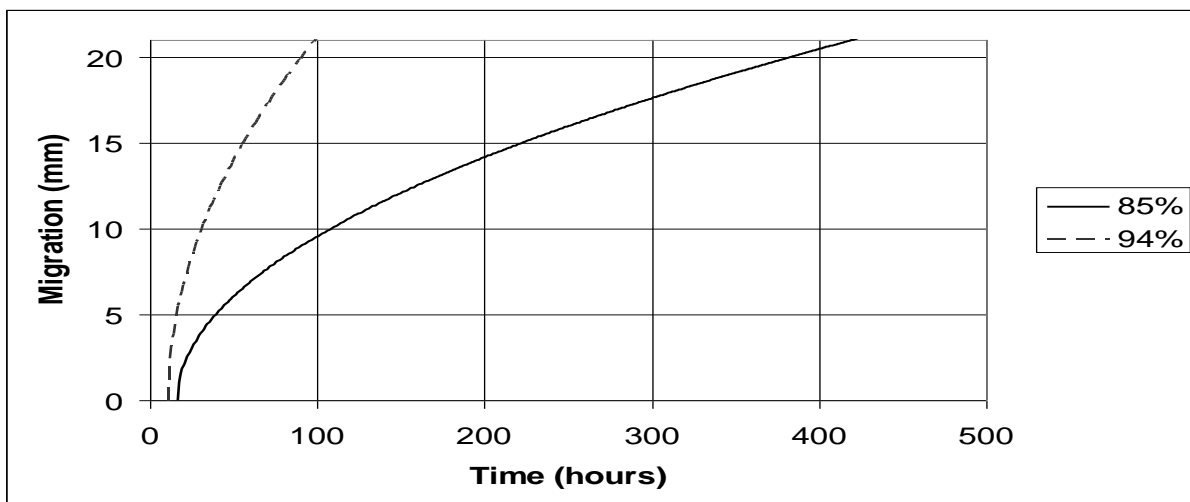
Characteristics for Probiks BI at different temperatures



This diagram shows that temperature has a negligible effect on the level above which Probiks BI will indicate exposure to humidity. The threshold value is 75% RH within the entire temperature range.

Migration speed depends on the humidity level

Characteristics for the Probiks BI 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 85% RH. At that level, the indication is 9 mm long after 100 hours. Increased humidity and/or temperature levels lead to accelerated migration speed.