

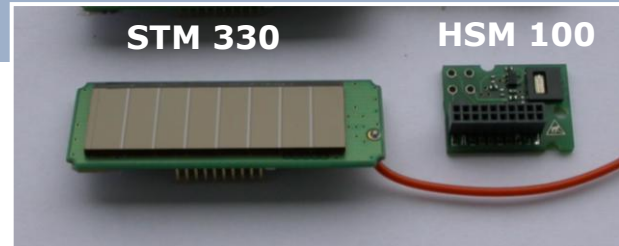
## Humidity Sensor Module HSM 100

**The humidity sensor module HSM 100 extends the functionality of STM 330 / STM 330C temperature sensor modules.**

### Functional Principle

HSM 100 contains an internal calibrated humidity sensor. It can be plugged onto STM 330 modules via a 20 pin connector. The sensor signal is read via the ADIO3 input of STM 330.

In order to be able to read the sensor signal STM 330 has to be configured to an EEP supporting humidity. This can be done via Dolphin Studio.



**Type**  
**HSM 100**

**Ordering Code**  
**S3095-D100**

### Features Overview

<b>Humidity sensor</b>	measurement range 0%-100% r.h. resolution 0.4% r.h. accuracy typ. $\pm 5\%$ r.h. between 30%-70% r.h. and 0-40°C
<b>Power supply</b>	via SWPWR pin from STM 330 / STM 330C
<b>Module dimensions</b>	18 x 13 mm
<b>Operating temperature</b>	-20 up to +60 °C



Please ensure sufficient ventilation of air inside the housing. Otherwise the measurement will not represent ambient humidity.



Please avoid any material within 2mm distance from the 7mm x 7mm area depicted in the figure below (in plane as well as above and below the PCB). The measurement might be influenced by detuning the capacitive sensor.

