

## **Filter Cap Designed for World's Smallest Digital Humidity Sensors**



Sensirion has just launched a filter cap for its latest generation of humidity sensors. The SF2 filter cap is made of PBT, has an integrated filter membrane, and protects Sensirion's SHT2x humidity and temperature sensor from water, dust, dirt and various contaminants. The filter cap features a filtration efficiency of 99.99% of all particles >0.1 µm and is designed to keep response time low. Thanks to the optimal protection, the highly stable DFN sensors of the SHT2x series can be used in even the harshest environments and still offer excellent long-term stability and performance.

The SF2 fits exactly to the external dimensions of the SHT21 and soon be launched SHT25 (SOP Q4 2010), and is easily mountable after reflow soldering. The SF2 is fixed by plugging the four pins into corresponding holes in the PCB. It can be glued for additional adhesion if desired. The SF2 filter cap also serves as an adaptor for mounting the humidity sensor directly into the wall of housing. Using a sealing ring results in a waterproof mounting solution that allows protection according to IP67 to be achieved.

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<http://www.mdtmag.com/product-releases/2010/10/filter-cap-designed-world%E2%80%99s-smallest-digital-humidity-sensors>