

Filtercap SF1 for humidity sensors SHT11/SHT15

The newly developed filtercap SF1 is the perfect filter and mounting solution for Sensirion's humidity sensors SHT11/SHT15. It provides IP67 protection and makes a seamless fit into the product housing.



The filtercap SF1 provides IP67 protection for the humidity and temperature sensors SHT11 and SHT15 at low cost. It consists of a body, which totally encloses the sensor, and a filter membrane as an interface to the environment.

The filter cap contains a permeable membrane that protects the sensor against water, dust and other contaminants while allowing humidity to penetrate. This feature is a critical factor in many contexts, especially in industrial environments.

The actual cap also serves as an adaptor for mounting the sensor seamlessly into the product housing. Using a sealing ring, even a waterproof solution is achieved. When using humidity sensors with filters, response time usually slows down, since there is non-ventilated air volume. Sensirion's filtercap SF1 is designed in such a way that this effect is minimized.

The filter cap is therefore the perfect fit for a wide range of applications.

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About Sensirion:

Sensirion AG is a high-tech sensor technology company based in Zurich, Switzerland. We are the worldwide leaders in intelligent CMOS-based sensor devices (CMOSens[®] technology) for humidity/temperature sensors as well as mass flow (gases and liquids) and differential pressure sensors (gas). Sensirion OEM customers benefit from intelligent system integration (integrated intelligence including calibration and digital interface), which enables costs to be saved as a result of the simplest system connection (easy-to-use) and modularity.

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