



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## S03/S04 - VERSASENSE TEMPERATURE AND HUMIDITY SENSOR

### PRODUCT DESCRIPTION

The VersaSense Temperature and Humidity Sensor (**S03/S04**) detects the absolute temperature and relative humidity of the surrounding air.

### VERSASENSE SENSORS

VersaSense Sensors are self-identifying sensors and actuators that connect to VersaSense Wireless Devices to provide plug-and-play sensing and control.

The VersaSense software automatically installs and configures all drivers, eliminating the cost and complexity of deploying an IoT network.

**Note:** only one peripheral of this type may be connected to a VersaSense Wireless Device.

### APPLICATIONS

The temperature and humidity sensor supports environmental sensing. Applications include:

- ★ Heating, ventilation and air conditioning (HVAC) monitoring
- ★ Monitoring conditions in animal enclosures
- ★ Weather monitoring systems
- ★ End to end cold chain monitoring

### CORE COMPONENTS

The **S03/S04** is based on the SHT25 from Sensiron®, for more information please visit:

[Sensiron\\_SHT25.pdf](http://Sensiron_SHT25.pdf)

### S03/S04 CHARACTERISTICS

Characteristic	Value	Unit
Min/Max Temperature	-40/125	°C
Min/Max Relative Humidity	0/100	%RH
Accuracy Temperature	+/- 0.2	°C
Accuracy Humidity	+/- 1.8	%
Min/Max period between updates	10 / 86400	s
Avg current: period = 1hour	498	nA
Avg current: period = 60s	6.29	µA
Avg current: period = 10s	35.74	µA

**Note:** avg current values represent the current that this sensor draws from a VersaSense Wireless Device that is configured with the noted update period. This value excludes message transmission.

### RELATED PRODUCTS

Item **S03** requires a VersaSense Wireless Device such as **Pxx** or **Lxx**. This item is compatible with all items in the VersaSense catalog:

[versasense.com/files/VersaSense-Catalog.pdf](http://versasense.com/files/VersaSense-Catalog.pdf)

### INFORMATION/SUPPORT

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