VersaSense

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

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

INFORMATION/SUPPORT

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