



S06 - VERSASENSE BAROMETRIC PRESSURE SENSOR

PRODUCT DESCRIPTION

The VersaSense Barometric Pressure Sensor (**S06**) detects the absolute pressure 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 barometric pressure sensor supports environmental sensing. Applications include:

- ★ Monitoring of heating, ventilation and air conditioning (HVAC) systems
- ★ Weather monitoring systems
- ★ Altitude monitoring (13CM accuracy)
- ★ Monitoring compliance with perishable goods storage rules

CORE COMPONENTS

The **S06** is based on the MS563702BA03-50 from TE Connectivity™, for more information please visit:

[TE_MS563702BA03-50.pdf](#)

S06 CHARACTERISTICS

Characteristic	Value	Unit
Min/Max pressure	10/2000	mBar
Accuracy pressure	+/- 4	mBar
Min/Max temperature	-40/+85	°C
Min/Max period between updates	10 / 86400	s
Avg current: period = 1hour	636	nA
Avg current: period = 60s	2.76	µA
Avg current: period = 10s	13.56	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 **S06** 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

Web: www.versasense.com

Sales: sales@versasense.com

Help: support@versasense.com

Other: info@versasense.com

Post: VersaSense NV, Kapeldreef 60, 3001 Leuven, Belgium.