# VersaSense

## 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

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