



S06 - MICROPNP BAROMETRIC PRESSURE SENSOR

PRODUCT DESCRIPTION

The MicroPnP™ Barometric Pressure Sensor (**S06**) detects the absolute pressure of the surrounding air.

MICROPNP PERIPHERALS

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

The MicroPnP 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 MicroPnP 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 MicroPnP Wireless Device that is configured with the noted update period. This value excludes message transmission.

RELATED PRODUCTS

Item **S06** requires a MicroPnP Wireless Device such as **Pxx** or **Lxx**. This item is compatible with all items in the MicroPnP catalog:

versasense.com/files/VersaSense-Catalog.pdf

INFORMATION/SUPPORT

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