



S33 - VERSASENSE STRAIN GAUGE INTERFACE

PRODUCT DESCRIPTION

The VersaSense Strain Gauge Interface (**S33**) provides the ability to work with strain gauges. The system is designed to work with 350 ohm strain gauge sensors.

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 sensor of this type may be connected to a VersaSense Wireless Device.

APPLICATIONS

Easy, flexible and accurate interfacing with strain gauge sensors. The strain gauge sensor should have a base resistance of 350 ohm.

CORE COMPONENTS

The **S33** has an on-board voltage reference and a Wheatstone bridge with accurate reference resistors, followed by a LTC2499 Analog-to-Digital Converter with a 24-bit resolution. For more information please visit:

[LTC2499.pdf](#)

S33 CHARACTERISTICS

Characteristic	Value	Unit
Strain gauge resistance	350	ohm
Maximum accuracy	0.1	ohm

RELATED PRODUCTS

Item **S33** requires a VersaSense Wireless Device such as **Pxx** or **Lxx**. This item is compatible with all items in the VersaSense catalog:

[VersaSense-Catalog.pdf](#)

INFORMATION/SUPPORT

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