



S31 - VERSASENSE AC RMS INTERFACE

PRODUCT DESCRIPTION

The VersaSense AC RMS Interface (**S31**) provides the ability to determine AC RMS power. Maximum 1Vpp can be measured and translated into an RMS value.

An on-board divider can be used to increase the maximum input voltage. This divider can be customized on request to accommodate different input ranges.

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, AC RMS measurements. This interface is to be used in applications where an AC input needs to be accurately translated into an RMS value.

A resistive divider network at the input enables the user to supply higher input voltages and still remain within the 1Vpp range.

CORE COMPONENTS

The **S31** is based on an LTC1966 converter from Linear Technology, now Analog Devices, to make analog RMS measurements. For more information please visit:

[LTC1966.pdf](#)

S31 CHARACTERISTICS

Characteristic	Value	Unit
MIN AC input	15	mVpp
MAX AC input	1	Vpp

RELATED PRODUCTS

Item **S31** 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

Web: www.versasense.com

Sales: sales@versasense.com

Help: support@versasense.com

Other: info@versasense.com

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