



S39 - VERSASENSE HIGH RESOLUTION CURRENT LOOP INTERFACE

PRODUCT DESCRIPTION

The VersaSense High Resolution Current Loop Interface (**S39**) provides the ability to read values from the industry standard 4-20mA analog current loop. It uses an external power supply that can feed loop consumers while also powering the device eliminating battery drain.

Various loop configurations are possible to allow flexibility in connecting to the actual sensor.

An effective resolution of 12 bits is guaranteed over the complete operating range (i.e. 0mA to 20mA).

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 and standardized monitoring of process instrumentation such as pressure, level, flow, temperature, pH or other process variables.

CORE COMPONENTS

The **S39** is based on a quality voltage reference and analog-digital converter from Analog Devices (Linear Technology), for more information please visit:

[LTC2471.pdf](#)

S39 CHARACTERISTICS

Characteristic	Value	Unit
Loop voltage	24	V
Max loop device current	0.5	A
Max sample rate	1	SPS
Measurement resolution	12	bit

RELATED PRODUCTS

Item **S39** 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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