S10 - VERSASENSE LIGHT SENSOR

PRODUCT DESCRIPTION

The VersaSense Light Sensor (**S10**) detects the level of ambient light in lumens.

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 light sensor supports environmental sensing. Applications include:

- ★ Workplace monitoring
- ★ Monitoring of animal enclosures
- ★ Smart lighting systems
- ★ Weather monitoring systems
- ★ Monitoring compliance with perishable goods storage

CORE COMPONENTS

The **S10** is based on the VEML6040 from Vishay®, for more information please visit:

Vishay_VEML6040.pdf

S10 CHARACTERISTICS

Characteristic	Value	Unit
Min/Max light intensity	0/16496	lx
Min/Max temperature	-40/85	°C
Accuracy light intensity	+/- 0.01	lx
Min/Max period between updates	10 / 86400	s
Avg current: period = 1hour	42	nA
Avg current: period = 60s	2.5	µA
Avg current: period = 10s	15	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 **S10** 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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