



S16 - VERSASENSE ULTRASONIC DISTANCE SENSOR

PRODUCT DESCRIPTION

The VersaSense Ultrasonic Distance Sensor (**S16**) detects the range of objects at a distance of between 18cm and 600cm from the sensor, with a resolution of 4cm. Due to the high power consumption of this peripheral VersaSense recommends the use of a power supply peripheral such as **Z01** to prevent battery depletion.

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

Monitor the height of pallet stacks, check the level of water tanks and ditches, monitor the level of grain silos.

CORE COMPONENTS

The **S16** is based on the SRF02 from Devantech, for more information please visit:

[SRF02.pdf](#)

S16 CHARACTERISTICS

Characteristic	Value	Unit
Minimum detection range	18	CM
Max range at 0° angle	249	CM
Max range at 10° angle	223	CM
Max range at 20° angle	205	CM
Max range at 30° angle	124	CM
Max range at 40° angle	34	CM
Frequency	40	KHz
Accuracy	+/- 4	CM
Min/Max period between updates	10 / 86400	s
Average current	N/A (requires a power supply)	

RELATED PRODUCTS

Item **S16** requires a VersaSense Wireless Device such as **Pxx** or **Lxx**. If the sensor is sampled rapidly, we also recommend a power supply peripheral such as **Z01**. This item is compatible with all items in the VersaSense catalog, except for the all weather armor:

[VersaSense-Catalog.pdf](#)

INFORMATION/SUPPORT

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