

Distance Phidget 1300mm



Description

The Distance Phidget accurately measures distances between 20mm and ~1.3 m. Use this Phidget to measure short distances or detecting objects passing by. This Phidget connects to your computer through a VINT Hub.

Features

- Distance is measured using reflected infrared light and a time-of-flight calculation.
- Retrieve data as often as every 30 milliseconds.

Product Specifications

Sensor Properties

Sensor Type	Infrared (Time-of-Flight)
Controlled By	VINT
Measurement Distance Min	20 mm
Measurement Distance Max	* 1.3 m
Measurement Distance Resolution	1 mm
Measurement Distance Noise	10 mm

Distance Sensor

Sampling Interval Max	60 s/sample
Sampling Interval Min	30 ms/sample

Electrical Properties

Current Consumption Max	22 mA
Current Consumption Min	20 μ A

Physical Properties

Operating Temperature Min	-40 $^{\circ}$ C
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Operating Temperature Max 85 °C

* – Minimum and maximum distance depends on the reflectivity of the surface of the object and ambient light level.