us_dist()

Finds the distance from the Ultrasonic sensor

This function finds the distance from the Ultrasonic sensor to the nearest object and returns the distance in cms or -1 if an error is encountered. The sensor can get good readings till 200cm and starts getting erroneous values after that.

You will get a better reading if the object is facing GoPiGo and the readings can be erronous if the object is at an angle to the Ultrasonic sensor.

We recommend connecting the ultrasonic sensor to Port A1 (Pin 15).

Syntax

```
us_dist(pin)
```

Parameter:

pin: Pin on which the ultrasonic sensor is connected. Can be Port D1(Pin 1) or Port A1(Pin 15). We recommend using Port A1

Return:

distance(cm) on success

-1 on error

Example

```
from gopigo import *
print us_dist(15)
```