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This file is part of the Arduino\_GroveI2C\_Ultrasonic library.

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#ifndef \_\_ARDUINO\_GROVEI2C\_ULTRASONIC\_H\_\_

#define \_\_ARDUINO\_GROVEI2C\_ULTRASONIC\_H\_\_

#include "Arduino.h"

#include "Wire.h"

#define ULTRASONIC\_ADDRESS 0x57

class Arduino\_GroveI2C\_Ultrasonic {

private:

uint8\_t address;

TwoWire& wire;

float measure;

uint32\_t data;

public:

Arduino\_GroveI2C\_Ultrasonic(TwoWire & \_wire = Wire, uint8\_t \_address = ULTRASONIC\_ADDRESS);

void begin();

void update(); // update internal value

float getDistance(); // mm

float getMeters(); // m

float getTravelTime(); // us

bool checkConnection(); // check if it is connected

};

#endif