/\*YF- S201 water Flow sensor code for Arduino \*/

const int Output\_Pin = 2;

volatile int Pulse\_Count;

unsigned int Liter\_per\_hour;

unsigned long Current\_Time, Loop\_Time;

void setup()

{

pinMode(Output\_Pin, INPUT);

Serial.begin(9600);

attachInterrupt(0, Detect\_Rising\_Edge, RISING);

Current\_Time = millis();

Loop\_Time = Current\_Time;

}

void loop ()

{

Current\_Time = millis();

if(Current\_Time >= (Loop\_Time + 1000))

{

Loop\_Time = Current\_Time;

Liter\_per\_hour = (Pulse\_Count \* 60 / 7.5);

Pulse\_Count = 0;

Serial.print(Liter\_per\_hour, DEC);

Serial.println(" Liter/hour");

}

}

void Detect\_Rising\_Edge ()

{

Pulse\_Count++;

}