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#include <LiquidCrystal.h>

int potenciometro = 0;

double rpm = 0;

LiquidCrystal lcd(12, 11, 5, 4, 3, 2);

void setup() {

  pinMode(9, OUTPUT);

  pinMode(A0, INPUT);

  lcd.begin(16, 2);

}

void loop() {

  lcd.setCursor(0, 1);

  potenciometro = analogRead(A0);

  potenciometro = map(potenciometro,0,1023,0,255);

  analogWrite(9, potenciometro);

  rpm=map(potenciometro,0,255.0,0,8481.0);

  lcd.print(rpm);

}