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#include <LiquidCrystal.h>

LiquidCrystal lcd(12,11,5,4,3,2);
const float referencevolts = 5.0;
const int batteryPin = 0;

void setup() {

  lcd.begin(16,2);
  Serial.begin(9600);
}

void loop() {
  int val = analogRead(batteryPin);
  float V = (val /1024.0) * referencevolts;
  float A = V/330;
  Serial.println(V);
  lcd.setCursor(0,0);
  lcd.print("V=");
  lcd.print(V);
  lcd.setCursor(0,1);
  lcd.print("A=");
  lcd.print(A);

  delay(1000);

}
```