**Code:**

#include<LiquidCrystal.h>

LiquidCrystal lcd(2,3,4,5,6,7);   //rs,e,d4,d5,d6,d7

int Vin=5;        //voltage at 5V pin of arduino  
float Vout=0;     //voltage at A0 pin of arduino  
float R1=3300;    //value of known resistance  
float R2=0;       //value of unknown resistance  
int a2d\_data=0;      
float buffer=0;

void setup()   
{  
 lcd.begin(16,2);  
}

void loop()  
{  
  a2d\_data=analogRead(A0);  
  if(a2d\_data)  
  {  
    buffer=a2d\_data\*Vin;  
    Vout=(buffer)/1024.0;  
    buffer=Vout/(Vin-Vout);   
    R2=R1\*buffer;

    lcd.setCursor(4,0);  
    lcd.print("ohm meter");

    lcd.setCursor(0,1);  
    lcd.print("R (ohm) = ");  
    lcd.print(R2);  
      
    delay(1000);  
  }  
}