

Termistor – meranie teploty

```
int Vout;  
float R2 = 10000;  
float logR1, logR2, R1, T, Tc, Tf;  
float c1 = 1.009249522e-03, c2 = 2.378405444e-04, c3 =  
2.019202697e-07;  
void setup() {  
  Serial.begin(9600);  
}  
void loop() {  
  Vout = analogRead(termistorPin);  
  R1 = R2 * (1023.0 / (float)Vout - 1.0);  
  logR1 = log(R1);  
  T = (1.0 / (c1 + c2*logR1 + c3*logR1*logR1*logR1));  
  Tc = T - 273.15;  
  Tf = (Tc * 9.0) / 5.0 + 32.0;  
  Serial.print("Teplota: ");  
  Serial.print(Tf);  
  Serial.print(" F; ");  
  Serial.print(Tc);  
  Serial.println(" C");  
  delay(500);  
}
```

