

Termistor – snímač teploty

```
int ThermistorPin = 0;  
int Vo;  
float R1 = 10000;  
float logR2, R2, T, Tc, Tf;  
float c1 = 1.009249522e-03, c2 = 2.378405444e-04, c3 = 2.019202697e-07;  
  
void setup() {  
  Serial.begin(9600);  
}  
  
void loop() {  
  
  Vo = analogRead(ThermistorPin);  
  R2 = R1 * (1023.0 / (float)Vo - 1.0);  
  logR2 = log(R2);  
  T = (1.0 / (c1 + c2*logR2 + c3*logR2*logR2*logR2));  
  Tc = T - 273.15;  
  Tf = (Tc * 9.0) / 5.0 + 32.0;  
  
  Serial.print("Temperature: ");  
  Serial.print(Tf);  
  Serial.print(" F; ");  
  Serial.print(Tc);  
  Serial.println(" C");  
  
  delay(500);  
}
```

