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#include <OneWire.h>
#include <DallasTemperature.h>
#include <Wire.h>
#define ONE_WIRE_BUS 31

OneWire oneWire(ONE_WIRE_BUS);
DallasTemperature teplomer(&oneWire);
DeviceAddress adresaTeplomera;

extern float teplota;

void zapniTeplomer() {
    teplomer.begin();
    teplomer.setCheckForConversion(true);
    Serial.println("Teplomer nastaveny.");

    teplomer.getAddress(adresaTeplomera, 0);
    Serial.print("Parasite = ");
    Serial.print(teplomer.isParasitePowerMode());
    Serial.print("    checkForConversion = ");
    Serial.print(teplomer.getCheckForConversion());
    Serial.print("    resolution = ");
    Serial.println(teplomer.getResolution(adresaTeplomera));
    teplomer.setWaitForConversion(false);
}

void zacniMeratTeplotu() {
    teplomer.requestTemperaturesByAddress(adresaTeplomera);
}

void zistiOdmeranuTeplotu() {
    if (teplomer.isConversionAvailable(adresaTeplomera)) {
        teplota = teplomer.getTempCByIndex(0);
        teplomer.requestTemperatures();
    }
}

```