

## Programa creado en Builder C++ que lee los datos enviados por la placa Arduino con sensor de temperatura LM35

Luego de conectar la placa Arduino al puerto USB de la PC, se ejecuta el programa en la PC, se selecciona el puerto COM. Luego se presiona el botón **Temperatura**.



### Listado del programa

```
//-----  
#include <vcl.h>  
#pragma hdrstop  
  
#include "Unit1.h"  
//-----  
#pragma package(smart_init)  
#pragma link "CPort"  
#pragma link "CPortCtl"  
#pragma link "ILSegmentIndicator"  
#pragma link "ILSegmentText"  
#pragma link "LPComponent"  
#pragma link "LPDrawLayers"  
#pragma link "LPTransparentControl"  
#pragma link "SLComponentCollection"  
#pragma link "ULBasicControl"  
#pragma resource "*.dfm"  
TForm1 *Form1;  
//-----  
__fastcall TForm1::TForm1(TComponent* Owner)  
    : TForm(Owner)  
{  
  
}  
//-----  
void __fastcall TForm1::Button3Click(TObject *Sender)  
{  
    ComPort1->ShowSetupDialog();  
}  
//-----  
void __fastcall TForm1::Button5Click(TObject *Sender)  
{  
  
    ComPort1->BaudRate = br9600;  
    ComPort1->Parity->Bits = prNone;  
    ComPort1->DataBits = dbEight;
```

```

    ComPort1->StopBits = sbOneStopBit;
    ComPort1->Open();

Timer1->Enabled=true;

}
//-----
void __fastcall TForm1::Timer1Timer(TObject *Sender)
{
    String a;
    ComPort1->ReadStr(a,7);

    // Aqui son 7 caracteres los que se van a recibir Ej T23,34C

    Memo1->Lines->Add(a);
    Edit1->Text=a;

    ILSegmentText1->Text=a;

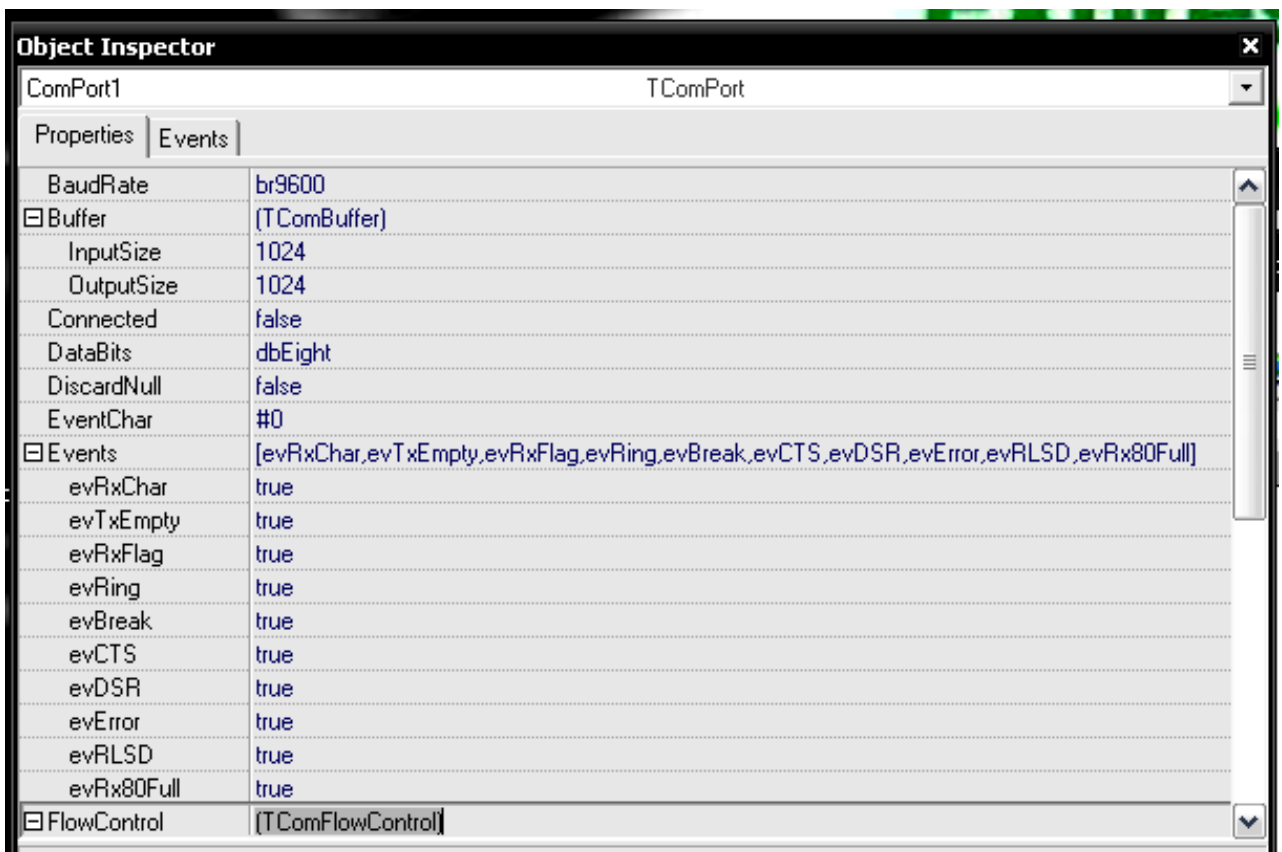
    ComPort1->Close();

    Timer2->Enabled=true;
    Timer1->Enabled=false;
}
//-----
void __fastcall TForm1::Timer2Timer(TObject *Sender)
{
    Button5->Click();

    Timer2->Enabled=false;
}
//-----

```

## Captura de las propiedades del Objeto ComPort



**Object Inspector** [X]

ComPort1 TComPort

Properties Events

evRx80Full	true
[-] FlowControl	(TComFlowControl)
ControlDTR	dtrDisable
ControlRTS	rtsDisable
DSRSensitivity	false
FlowControl	fcNone
OutCTSFlow	false
OutDSRFlow	false
TxContinueOnXoff	false
XoffChar	#19
XonChar	#17
XonXoffIn	false
XonXoffOut	false
Name	ComPort1
[-] Parity	(TComParity)
Port	COM1
StopBits	sbOneStopBit
SyncMethod	smThreadSync
Tag	0
[-] Timeouts	(TComTimeouts)

All shown