



# FEZ Thermometer Component



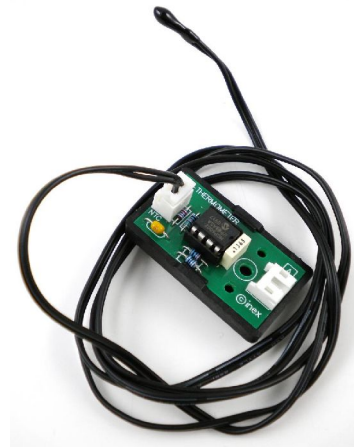
This component provides analog value representing the temperature at the tip of the NTC water resistant thermistor(included).

Measured temperature can be between -20 to 54 degree Celsius.

Connected through standard JST3AA cable (included).

Works with any **pin with Analog input feature** on FEZ Mini starter-kit/robot and FEZ Domino Component shield.

For further information about NTC thermistor:  
<http://en.wikipedia.org/wiki/Thermistor>



Provided Driver Example Code:

User should add **FEZ\_Components\_Thermometer.cs** to Visual C# project to use the example below. **FEZ tutorial Document** shows how to create projects and add components drivers. (Both files are available on [www.tinyclr.com](http://www.tinyclr.com))

## Code snippet:

```
using System;
using Microsoft.SPOT;
using System.Threading;
using GHIElectronics.NETMF.FEZ;
public class Program
{
    public static void Main()
    {
        // Create Thermometer object assigned to the a Thermometer Component connected to An0 with analog
        // input feature
        FEZ_Components.Thermometer myThermometer = new
        FEZ_Components.Thermometer(FEZ_Pin.AnalogIn.An0);
        int value = 0;
        while (true)
        {
            value = myThermometer.GetTemperatureCelsius();
            Debug.Print("myThermometer reading is: " + value.ToString());
            Thread.Sleep(100);
        }
    }
}
```

