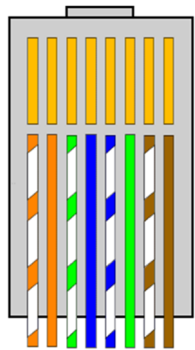


DS18B20

DS18B20 is a digital thermometer compatible with *hasseb EtherTemp* data acquisition device. *DS18B20* has an operating temperature range of -55 to $+125$ °C and the resolution for the sensor is 0.1 °C with an accuracy of ± 0.5 °C.

The sensor is connected to the *EtherTemp* device using an RJ45 connector. It is also possible to connect the sensor directly to the *EtherTemp* data logger device, without using the connector box. If you have your own *DS18B20* sensor for example in a specific housing, you can connect the sensor to the *EtherTemp* device using an RJ45 connector. Figure 1 shows the connection between the sensor and the RJ45 connector.



Color	Function
Orange / white	-
Orange	-
Green / white	Data
Blue	-
Blue / white	-
Green	-
Brown / white	+5 V
Brown	Ground

Figure 1: The wire colors and the corresponding signals of the sensor. The clip of the RJ45 connector is pointing down.