



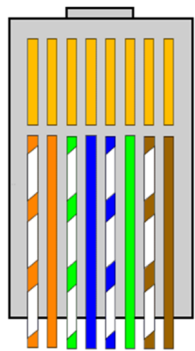
DHT11 / DHT22

DHT11/DHT22 is a digital temperature / humidity sensor. The difference between the two types, *DHT11* and *DHT22*, is the range and the accuracy.

DHT11 can measure humidity in 20 – 80 % range with ± 5 % accuracy. The temperature range for *DHT11* is 0 – 50 °C with an accuracy of ± 2 °C.

DHT22 can measure humidity in 0 – 100 % range with ± 2 % accuracy. The temperature range for *DHT22* is -40 – 80 °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 *DHT11* or *DHT22* 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.