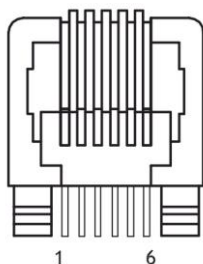




Supply voltage	4.75 to 5.25 VDC
Maximum current consumption	120 mA, average 70mA
Dimensions	130x70x30 mm
Operating temperature	0 to +50 °C
Maximum humidity	80 %RH
Warm-up time	30 s
Measurement range	0 to 10000 ppm
Resolution	10 ppm
Accuracy	±(50 ppm + 3% of reading)
Max drift	±2% FS

Pin out of RJ-11 connectors



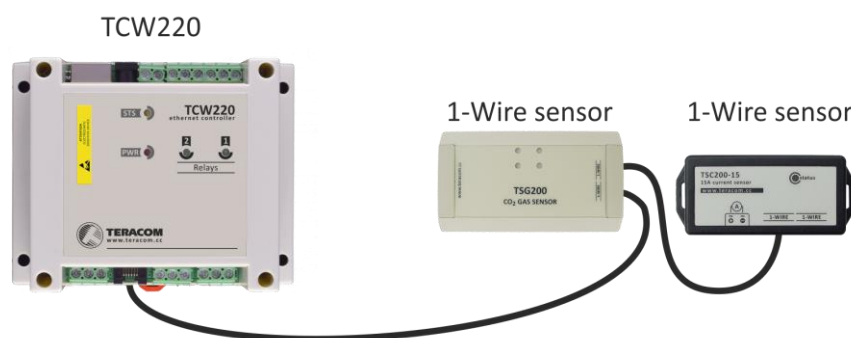
Pin	Description	UTP wires color
1	1-Wire GND	White/Brown
2	1-Wire GND	White/ Green
3	1-Wire Data	Green
4	1-Wire GND	White/Orange
5	1-Wire +VDD	Orange
6	1-Wire +VDD	Brown

Sensor connection

1-Wire is a registered trademark of Maxim Integrated Products, Inc. It is designed to connect several sensors over a short wiring. It is not suitable for long distances or environments with EMC interference. Guidelines for reliable long line 1-wire networks can be found at <http://www.maxim-ic.com/app-notes/index.mvp/id/148>.

It is strongly recommended to use only UTP/FTP cables and keep total cable length up to 30 m.

It is strongly recommended to use “daisy chained” (linear topology) for multiple sensors:



**Attention! Only one sensor TSG200 can be connected to a controller.
It should be placed on 10 m maximum from controller.**

“Star” topology can be used only as a last resort for up to 4 sensors and total cable length up to 10 meters:

