

all you need for product lines

Weather Station Features

Weather data monitor application feature model.

The product is a very nice product to be used in every household around the globe. It will fulfill **every** need a customer might think of.

2 Output

The system has to provide any combination of display based output and data interface output.

2.2 PC Data transfer

A communication channel to a PC

2.2.1 USB

PC is connected via USB cable

2.2.3 Protocol

Different alternative protocols have to be supported for the data transfer option.

2.2.3.2 UDPOverSLIPProto

Communicate with UDP + SLIP protocol

3 Sensors

Weather data sensor devices

3.1 Pressure

Show measurements of the air pressure sensor. This sensor measures the pressure with a precision of 0.1 Bar. It can be used indoor and outdoor. At max one air pressure sensor per weather station is supported.

3.2 Temperature

Sensor to measure the temperature.

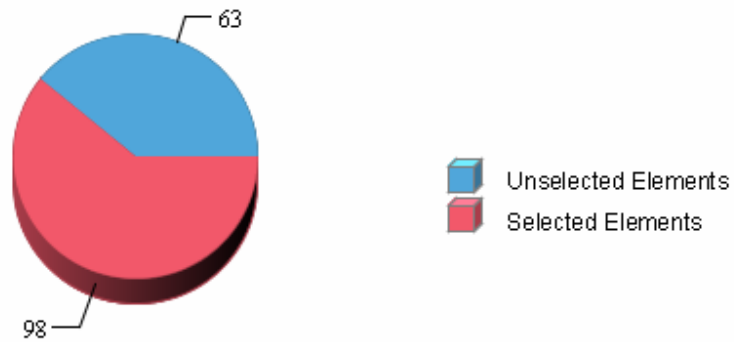
3.3 Wind

This sensor measures the wind speed up to 13 Bft. Higher speeds are detected but not measured.



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Element Selection



List Of Material

- 1 ATMEGA128
- 1 PID11USB
- 1 AVRUART
- 1 GPIO12
- 1 MXD15572
- 1 DS1626EXT
- 1 DS1626
- 1 LG1528X