

WS2010 PC Interface Operation Description

RF signals are picked up by the internal loop 170 mm loop antenna on the receiver sub assembly pc board. These signals are fed to the microprocessor which uses an internal algorithm to calculate the necessary data signals being received. These signals are reporting wind speed and direction, temperature (either indoor or outdoor), humidity, atmospheric pressure, or the rain gauge reading. The computational algorithm is contained in the weatherstation ROM chip shown in the block diagram.

An internal real time clock function as well as an alarm system is provided by IC3.

Digital signals are generated from the data received from the external sensors and processed and then passed on to the computer connection through the built in 9 pin D Type connector and cable.

The whole system is battery powered at the UB terminal on the pc board.