

Latest Generation of Environmental Measuring Technologies

The MWS 5MV weather station measures the environmental parameters temperature, dewpoint, humidity, barometric pressure, wind direction and wind speed, wind peak, windchill and average wind. Applications are e.g. environmental measuring technologies, central building control systems, automobile and tyre manufacturers, electric companies, airports, military or tourism. The latest generation of the MWS 5 excels in high sensitivity, further improved longtime stability and its expanded range of application. With an electronically controlled heating (option) it can be used all year long, not only in high country but also in the arctic zone.

The diameter of the MWS 5MV is 125 mm, it is 275 mm high and weighs 1 kg. The complete weather station passes a linearisation and adjustment procedure with simulation of the environment under a number of different conditions.

The ascertained values are linearised and digitised by a microprocessor and are stored in a datalogger (many months) in a programmable interval. They are also available e.g. via an RS232-interface and can be transmitted via an optional RS422-, RS485-, USB-interface, WLAN or GSM-radio module. In connection (Plug In) with a GPS-receiver, the geographic coordinates and the absolute time are also stored with every series of measurements. The standard comprehensive control software (WINDOWS 2000®, XP® or VISTA®) displays the measured data graphically or numerically with maximum, minimum, average and peak values, but it offers ways of control or activates executable programs as well. The measured data are in ASCII-format and can easily be used in customer applications. For additional sensors and signals there are three free analog inputs and a digital one.

After it is mounted onto a 1"-water pipe it is commissioned within a few minutes with a connection cable and a multiway connector. For mobile environmental measurements, we offer an optional splashproof carrying case which holds the MWS 5MV weather station, a tripod, connection cable etc.