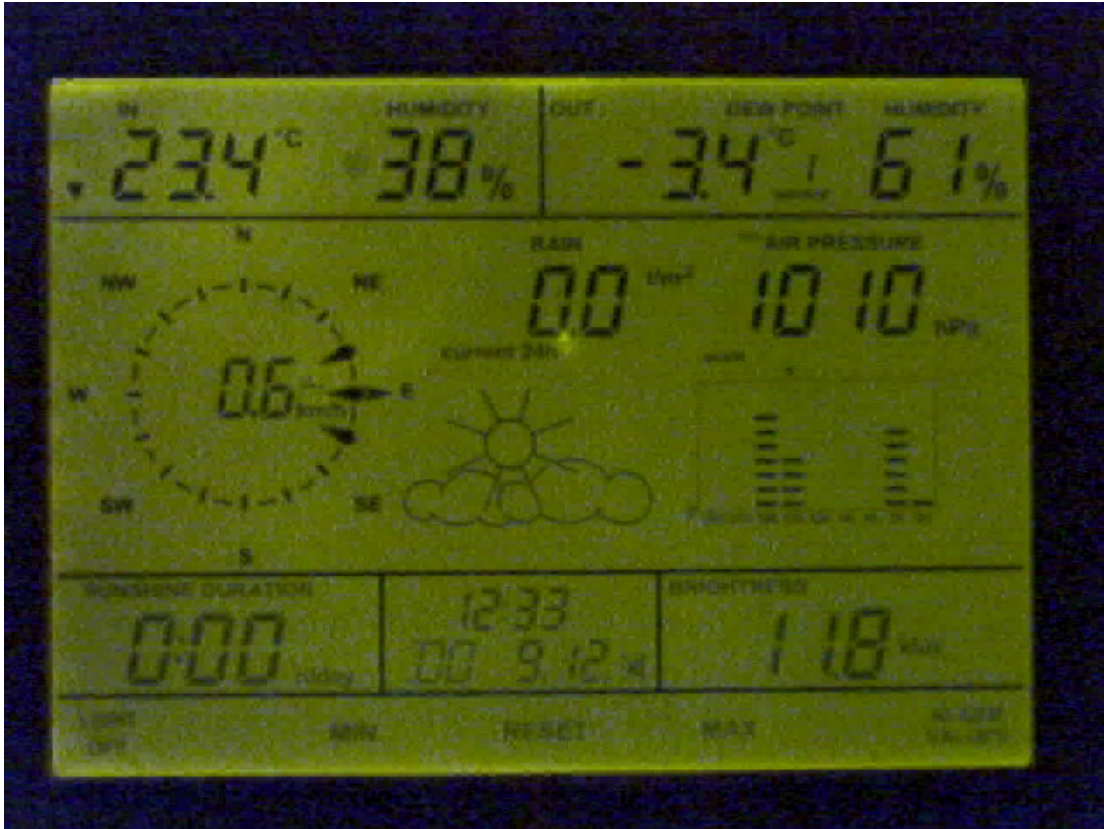


SOLART-SYSTEM LTD

An Engineering Company for Solar Energy

20 Gulyás Street, Budapest XI. Hungary 1112 T: +361 2461783 F: +361 2461783
e-mail: mail@solart-system.hu web: www.solart-system.hu

Weather Monitoring Station



The Weather Monitoring Station (WMS) is an excellent tool to monitor the weather. The WMS represents a high-quality, extremely convenient universal weather measuring system, which can record, process and display data from up to 8 external radio temperature and humidity sensors, a radio wind sensor, a radio rainfall sensor and a radio brightness sensor.

The operating concept of the WMS is remarkable. It does not use any operating elements, but it is operated solely via large, touch-screen LC display.

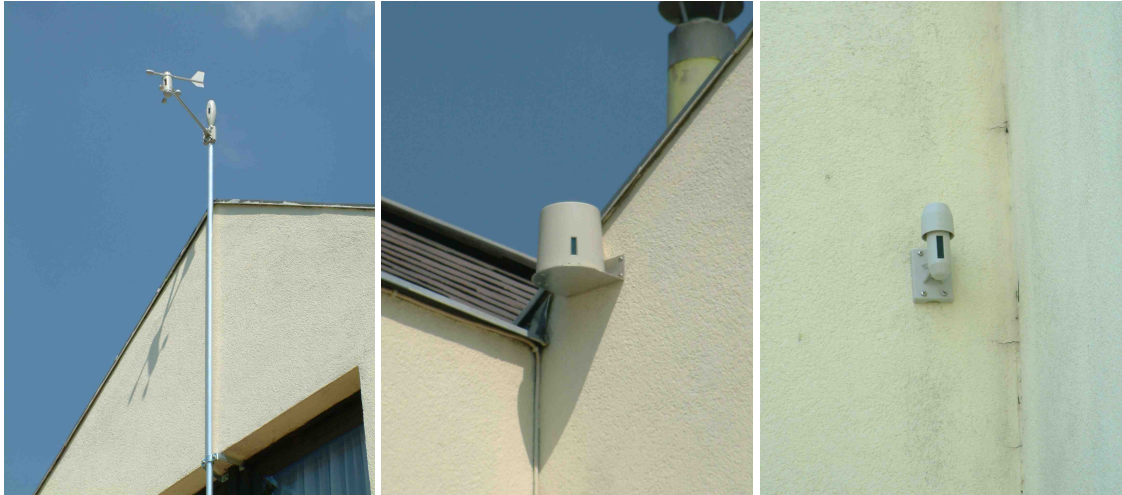
The display can be illuminated permanently or on a time basis, so that it can be easily read under nearly all light conditions.

The WMS can optionally be used entirely without cables by means of batteries or with the plug-in mains power supply provided (particularly recommended when the display is continuously lit or lit for any length of time).

Main technical data:

- **Measuring interval: approx. 3 min**
- **Transmission frequency: 433,92 MHz**
- **Free field range: max. 100 m**
- **Indoor temperature range: - 30,0 °C to + 70 °C**
- **External temperature range: - 30,0 °C to + 70 °C**
- **Resolution: 0,1°C**
- **Accuracy: +/- 1 °C**
- **Measuring range relative humidity: 20% - 95%**
- **Resolution: 1 %**
- **Accuracy: 8%**
- **Air pressure measuring range: 800 to 1100 hPa**
- **Resolution: 1 hPa**
- **Accuracy: +/- 1 hPa**
- **Rainfall indicator: 0 to 3.999 mm**
- **Resolution: < 0,5 mm**
- **Accuracy: 2% +/- 1 mm**
- **Brightness display: 0 to 200.000 lux**
- **Resolution: up to 1klux: 1 lux; up to 10klux: 10 lux; up to 100klux: 0,1 klux; above: 1 klux**
- **Accuracy: +/-10 % +/- 4 digit**
- **Sunshine duration: 0 to 9999 h**
- **Resolution: up to 100 h: 1 min.; up to 999 h: 1/10 h; above 1000 h: 1 h**
- **Wind speed: 0- 200 km/h**
- **Resolution: 0,1 km/h**
- **Accuracy: 3 % +/- 1 km/h**
- **Wind direction: graphical resolution: 22,5 °, numerical resolution: 5 degrees**
- **Voltage supply: 4 Baby cells 1,5 V, C R4**
- **Plug-in main supply: 7,5 V/500 mA**
- **Dimensions (WxHxD): Housing: 257x211x36 mm**
- **PC connection: RS 232**
- **PC Software**

Meteorological solar powered sensors for wind direction, wind velocity, solar radiation, precipitation, temperature, humidity



PC display of the meteorological data monitored

