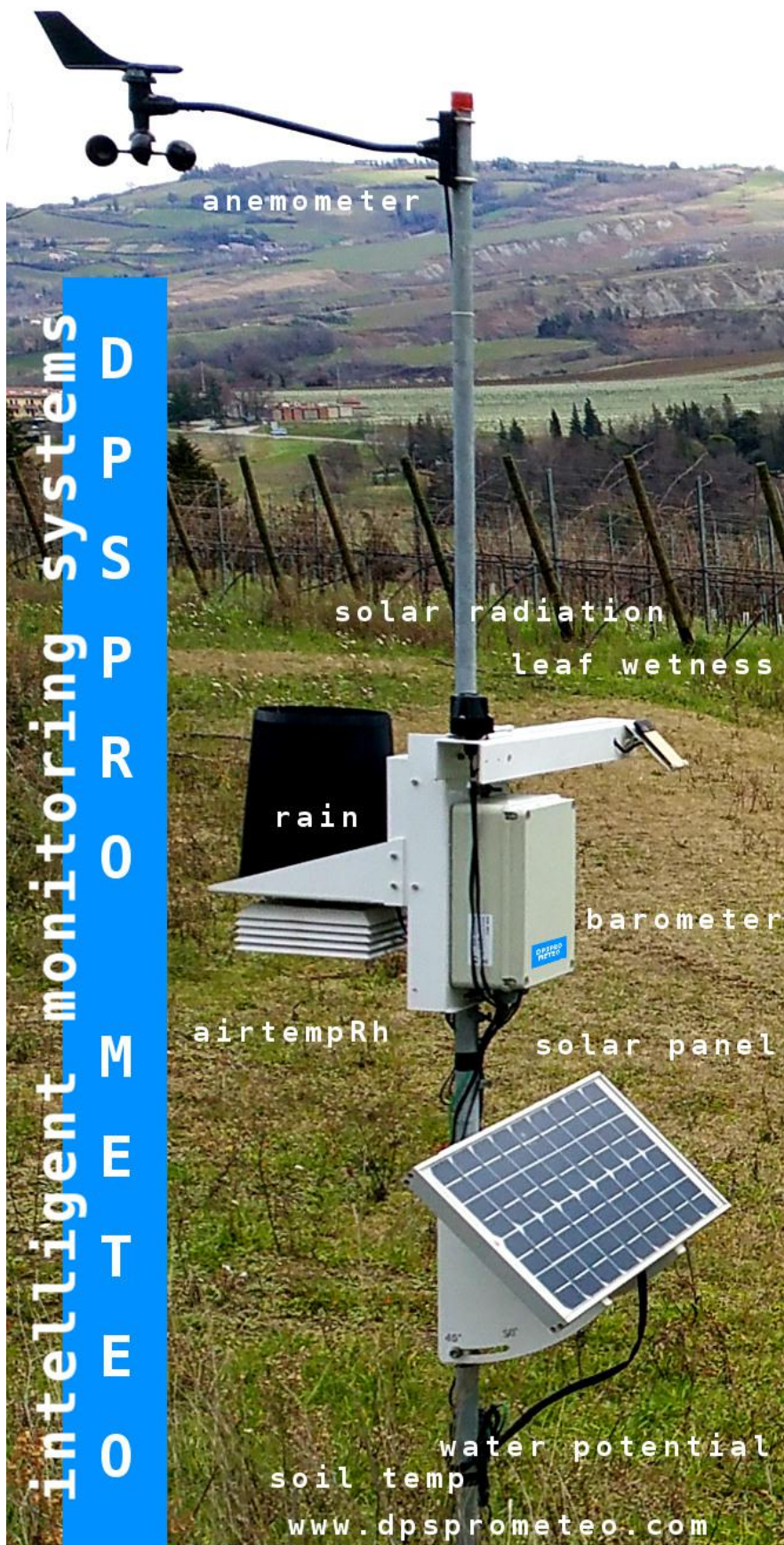


Autonomous Weather Station model AWS-X



The weather station AWS-X can be equipped with many different sensors, to measure environmental parameters and send them to the internet using the 2G network. Optionally it is available with LoraWan, NB-iot or Cat M1 connection.

It is equipped with a rechargeable battery, powered by a solar panel with an intelligent charge regulator, that makes it possible to work for over 2 weeks in severe conditions.

It can be controlled and programmed, depending on the version, over the internet or SMS or with a USB-serial cable, connected to a PC or Android device.

It is robust and weather-proof, ideally suited to compute EVAPOTRANSPIRATION using the FAO Penman-Monteith formula or for Hours-of-Low-Temperature calculation.

Data transmission format is open source and customers can decide to use our servers or theirs, as they prefer. We can provide full service, but customers are not forced to choose it.

Here are the available sensors, some of them manufactured by us and some coming from primary suppliers:

- Wind speed and direction
- Rain Gauge
- Air temperature and RH
- Air Pressure
- Solar radiation
- Leaf Wetness
- Soil moisture
- Soil temperature

About us:

DPS-Promatic srl is an Italian company, based in Forlì, in the Emilia-Romagna region. We have always manufactured high quality niche products, since 1981, including scales, blood pressure monitors and wireless devices of many kinds. Our specialty is designing and manufacturing devices for special projects, even in low volumes. We develop in-house hardware and software for our machines and for our servers.

We manufacture autonomous wireless weather stations since 1999.

On-field assistance in different countries has contributed enormously to our know-how.

Our units provide accuracy and reliability at a just price.

Among our customers: SAIPEM, RFI, FAO, WFP, OMNITEL-VODAFONE.

