

MeteoSense PRO

Manufactured by
netsens

MeteoSense PRO is a series of professional weather stations designed to match highest requirements and reliability in data acquisition and real-time transmission.

- **MeteoSense PRO II:** lowest power consumption for wireless solar panel powered installations
- **MeteoSense PRO-E:** ultimate modular solution for acquisition of complex environmental data
- **MeteoSense PRO-X:** Linux based data acquisition unit allowing for full customization

Applications:



Agro-meteorology
and precision farming



Renewable sources
production efficiency



Environmental and
hazardous sites



Road weather
and infomobility

Solar power supply:

Integrated high-efficiency power management.

Anemometer:

Wind speed and direction,
available both traditional and ultrasonic.

Precipitation:

Tipping bucket, Doppler or optical disdrometers.

Solar radiation:

Silicon sensors, termopile, PAR, net radiation
and albedometers, up to First Class.

Air temperature and humidity:

Several accuracies available, with robust solar shield.

Barometer:

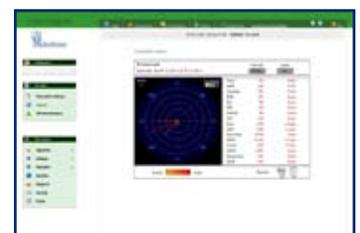
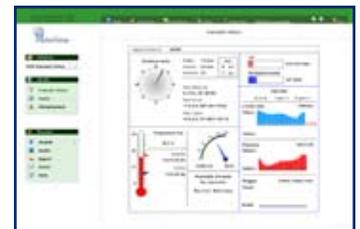
Digital, compensated air pressure sensor.

Main unit:

Steel housing, featuring TCP/IP communication
with embedded GSM-GPRS or LAN.

Hardware and mounting kit:

Netsens can provide turnkey solutions, including full
installation hardware and mounting tools.



Additional sensors and features:

Specific sensors can be easily added (such as **road sensors, visibility, soil moisture and temperature etc.**)
Also, long ranging, self-powered **wireless units** can be added, to increase sampling points at reduced costs.

Technical specification

	MeteoSense PRO II	MeteoSense PRO - E	MeteoSense PRO - X
Power supply	12 VDC or 220VAC	12/24 VDC or 220VAC	12/24 VDC or 220VAC
Power consumption	1 W	1 W (excl. I/O modules)	5 W (excl. I/O modules)
Sizes	450x300x150 cm	450x300x150 cm 650x400x200 cm	450x300x150 cm 650x400x200 cm
Operating temperature	-30°C +70°C (extended range option on request)		
Data sampling interval	1 to 3600 sec., programmable for each channel		
Data transmission interval	30 sec. to 24 hr., programmable for each channel		
Internal memory	SD card up to 4 GB		Micro SD card up to 4 GB
Communication interface	GSM-GPRS RS485 Modbus	GSM-GPRS RS485 Modbus	LAN Ethernet GSM-GPRS RS485 Modbus
Analog input channels	6	Up to 64	
Digital input channels	4	Up to 48	
Output channels	1	Up to 48	
Serial interfaces	1xRS485, 1xRS232	12xRS422/485, 4xRS232, 4xCAN, 4xI2C, 4xSDI-12	

