DATA LOGGING

Data loggers are essential for data acquisition in environmental measurements, including temperature, humidity, atmospheric pressure, wind speed, wind direction, precipitation and solar radiation. They provide accurate, real-time monitoring and ensure reliable data collection crucial for informed decision-making and environmental management.

- Data Logger with inputs for standard sensors - 4 G / Ethernet / RS485 Modbus connectivity
- GSM/GPRS data logger with Modbus input and additional contact input
- Wireless outdoor data logger with LoraWAN or RF communication - multiple sensors in predefined configurations.
- Indoor Wireless Environmental Datalogger with LoraWan and RF communication for crucial environmental parameters within indoor spaces

... & TRANSMITTERS

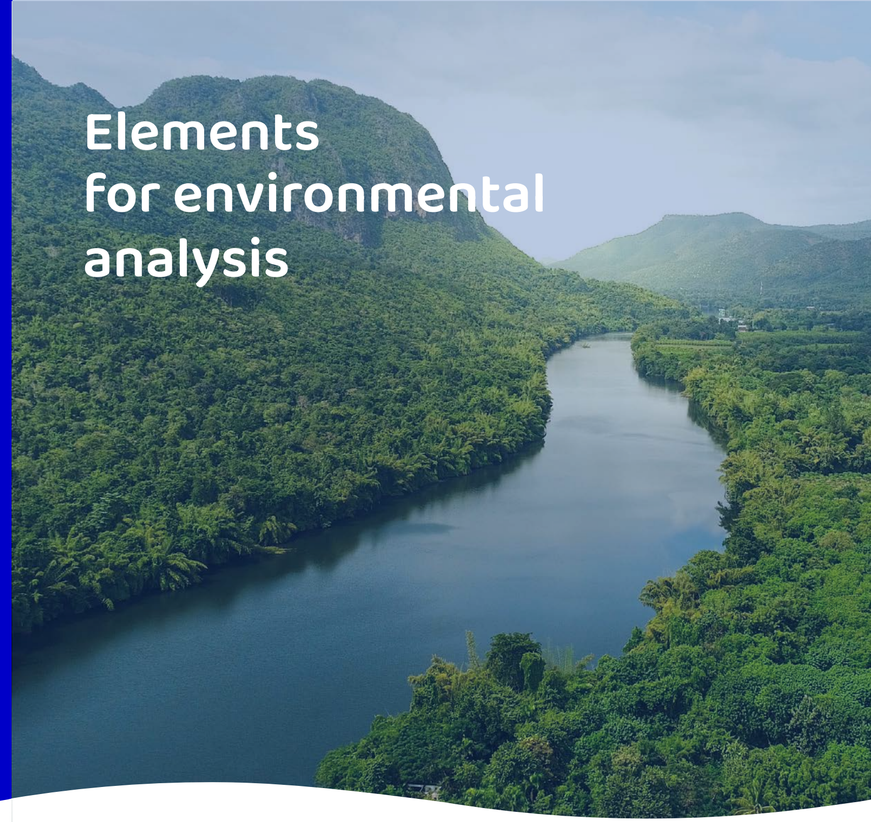
Our **temperature, humidity, dew point, and air speed** transmitters are advanced instruments designed to provide accurate and reliable measurements of key environmental parameters. These transmitters offer comprehensive monitoring capabilities essential for various applications across industries such as HVAC, cleanrooms, laboratories.

environmental.senseca.com

Senseca Italy Srl
Via G. Marconi, 5
35030 Selvazzano Dentro (PD)
ITALY
Phone: +39 049 8977150
sales.padua@senseca.com

senseca

Elements for environmental analysis



MAXIMIZE THE PERFORMANCE OF YOUR PV SYSTEM WITH INTELLIGENT MONITORING

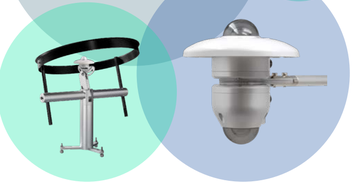
senseca

SOLAR MEASUREMENT

The sun! It provides our world with daylight, it controls the temperature on our planet. It provides energy and makes plants grow.

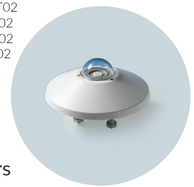
The measurement of solar radiation has become of high importance especially when it comes to take decisions about efficiency, energy performance or maintenance.

PYRAsense series
LPSILICON-PYRA04



- Spectrally Flat Class A, Class B and Class C pyranometers
- Spectrally Flat Class A, Class B and Class C albedometers
- Spectrally Flat Class A and Class B pyranometers with shadow ring
- Silicon pyranometer

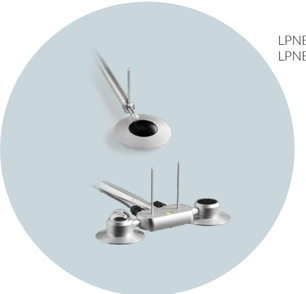
LPPHOT02
LPUVA02
LPUVB02
LPUVI02



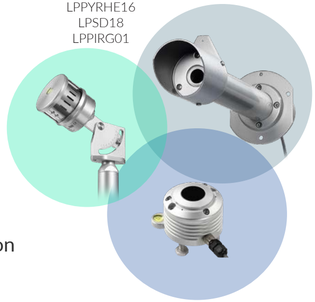
- Photometers
- UVA Radiometers
- UVB Radiometers
- UV Index Radiometers

- Net irradiance meters with 2 or 4 sensors (2 pyranometers and 2 pyrgeometers)

LPNET07
LPNET14



LPPYRHE16
LPSD18
LPPIRG01



- Pyrheliometers
- Pyrgeometers
- Sunshine Duration

WUS30F... series

HD51.3D... series
HD52.3D...series
HD53LS...series

HD2016... series

- 2 axis ultrasonic anemometer base version only wind speed and direction (also in aluminium version for harsh conditions)
- 2 axis ultrasonic anemometer all-in-one version with multiple parameters (T / RH / Pressure / Solar Radiation / Precipitations)
- 3 axis ultrasonic anemometer

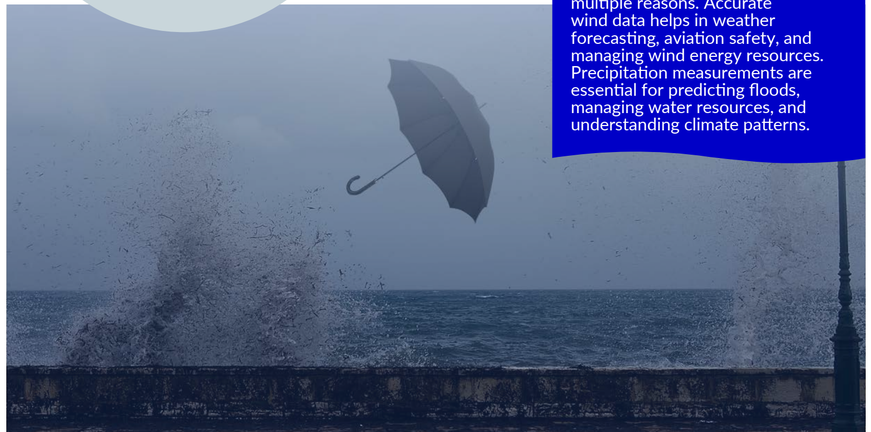
HD2015... series
HD2013... series

HD2013.3

- 200 cm² and 400 cm² tipping bucket rain gauges
- Weighing rain gauge
- Rain detectors

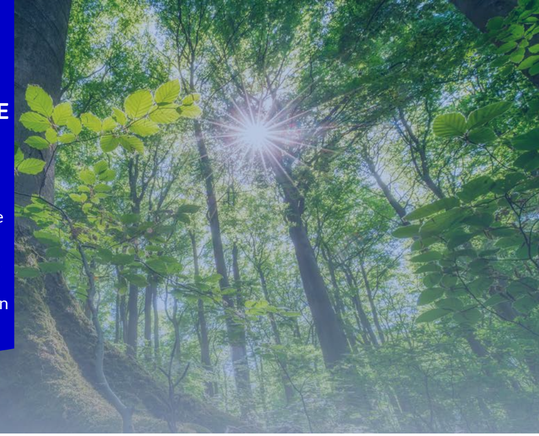
WIND & PRECIPITATIONS MEASUREMENT

Wind and precipitation measurements are crucial for multiple reasons. Accurate wind data helps in weather forecasting, aviation safety, and managing wind energy resources. Precipitation measurements are essential for predicting floods, managing water resources, and understanding climate patterns.



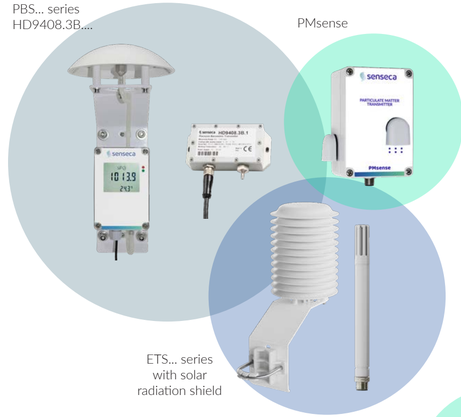
TEMPERATURE
HUMIDITY
ATMOSPHERIC PRESSURE
AIR QUALITY

Humidity, temperature, pressure are often being considered as 'basic' measurements. For us it's a challenge to work on improvement of even these basic measurements: make them more reliable, more stable. Our sensors have a strong mechanical design with a reliable and field proven construction.



PBS... series
HD9408.3B....

PMsense

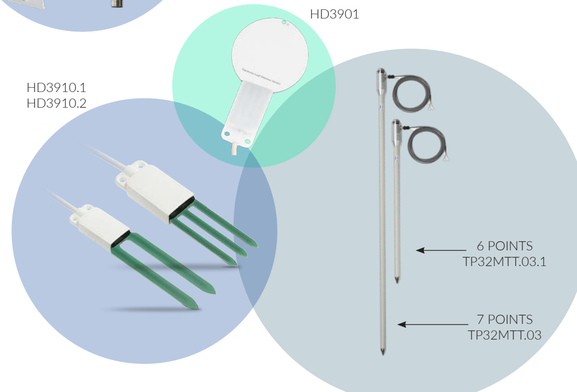


- Temperature - Relative Humidity and barometric pressure transmitters with solar radiation shield
- Barometric trasmitter series with optional static port
- High precision barometers
- Particulate Matter

ETS... series
with solar
radiation shield

HD3901

HD3910.1
HD3910.2



- Leaf Wetness Sensor with double sensitive surface
- Soil volumetric water content (VWC) with 2 or 3 electrodes
- Soil temperature profile with 6 or 7 measurement points