

Environmental Monitoring From Sensor to Cloud



ADVANCED TECHNOLOGIES FOR
ENVIRONMENTAL MONITORING AND
SMART DATA ACQUISITION



SOLAR MEASUREMENT

The sun provides our world with daylight, it contains the energy that fuels our planet. The measurement of solar radiation is of major importance, it plays a vital role when it comes to decisions about efficiency, performance or maintenance.



Fast response class A
pyranometer with integrated
heater



Spectrally Flat
class A, class B and class C
pyranometers



Spectrally Flat class A, class B
and class C albedometers



Pyrgeometer



Photometers & Radiometers
UVA | UVB | UV Index



Sunshine duration sensor



Sun tracker & Pyrhelimeter



Soiling



Net irradiance meters
with 2 or 4 sensors



ISO/IEC 17025 Calibration Laboratory
Photo-radiometry

WIND & PRECIPITATIONS MEASUREMENT

Wind & precipitation measurements are crucial for multiple reasons. Accurate wind data supports weather forecasting, aviation safety, and wind energy management. Precipitation data aids in flood prediction, water resource management, and climate analysis.



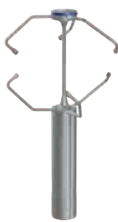
2 axis ultrasonic anemometer
from low to very high
wind speed



All-in-one with additional
parameters T | RH | Patm
Solar Radiation



All-in-one with additional
parameters T | RH | Patm |
Precipitations



3 axis ultrasonic anemometer



3 axis ultrasonic
anemometer with additional
T | RH | Patm



Rain detector



200 cm² tipping bucket
rain gauges



400 cm² tipping bucket rain
gauges



Weighing rain gauge

ISO/IEC 17025 Calibration Laboratory
Air Speed



VISIBILITY | PRESENT WEATHER | THUNDERSTORM & LIGHTNING DETECTORS

Visibility data supports transport operations, especially in low-visibility conditions. Present weather sensors provide real-time updates on rain, snow, or fog. Thunderstorm detectors offer early warnings to reduce lightning-related risks.



Essential visibility & basic weather detection



Visibility & Present Weather sensors



Compact & robust high-quality visibility sensors



Visibility & Present Weather sensors



Advanced present weather sensors with freezing precipitation detection



Short range lightning warning system 35 km



Long range lightning warning system 83 km



Long range lightning warning system - rugged design for harsh marine environments 83 km

TEMPERATURE | PRESSURE | RELATIVE HUMIDITY | AIR QUALITY

Humidity, temperature, and pressure are fundamental to countless applications, and achieving the highest accuracy and reliability in these parameters is an ongoing challenge. We're dedicated to enhancing the stability and reliability of even the most essential measurements.



Temperature transmitters



Combined temperature,
relative humidity and
pressure transmitters



Protection shields



Barometric transmitter



High precision barometers



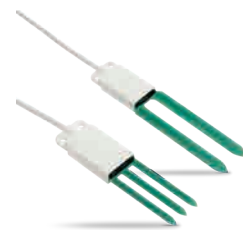
Particulate Matter



Soil temperature profile - 6 or
7 measurement points



Leaf wetness sensor with
double sensitive surface



Soil volumetric water (VWC)
content with 2 or 3 electrodes

ISO/IEC 17025 Calibration Laboratory
Pressure



DATA ACQUISITION SYSTEMS & SOFTWARE

Data loggers are essential for reliable data acquisition. With multiple connectivity options, they ensure seamless integration, accurate real-time monitoring, and robust data collection for informed decision-making and environmental management.



GSM/GPRS data logger with Modbus input and additional contact input



Data logger with inputs for standard sensors
4G / Ethernet / RS485 Modbus connectivity



Data acquisition stations
GPRS/3G/4G/5G cell phone, point-to-point radio link, satellite, Ethernet connection



Wireless outdoor data logger
LoraWAN communication



Wireless outdoor data logger
RF communication



Datalogger DIN Rail
Ethernet connectivity



Wireless indoor data logger
LoraWAN communication



Wireless indoor data logger
RF communication



WiFi / Ethernet indoor datalogger



Applications for mobile devices



Communications and station management tool



Web platform for real-time data access

TRANSMITTERS

Our transmitters for temperature, humidity, dew point, air speed, pressure, and photoradiometry deliver precise, reliable measurements of key environmental parameters. Ideal for demanding HVAC systems, cleanrooms, and laboratories.



Temperature transmitters
*Vertical probe, horizontal probe,
probe with cable*



Temperature & Relative
Humidity transmitters
*Vertical probe, horizontal probe,
probe with cable*



Temperature & Relative
Humidity regulators
*Vertical probe, horizontal probe,
probe with cable*



Pressure transmitters



Low pressure transmitters



Panel temperature



Air speed transmitters



Photometric & Radiometric
transmitters



Ambient light sensors
applications including
Runway Visual Range (RVR)

ISO/IEC 17025 Calibration Laboratory
Temperature | Relative Humidity



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