

Company Profile

YOUR GLOBAL PARTNER
IN WATER TREATMENT
SOLUTION

ABOUT US

Hydro-Air was formed in 1997 by industry experts with an idea to design and manufacture pH and conductivity monitoring instruments for water industry.

Step by step, **Hydro-Air** has expanded to complete parameters for water quality measurement to meet the market demand with more than 10 parameters to become one-stop instrumentation provider.

Combining superior technology with engineering services, **Hydro-Air** delivers field proven operational efficiency, safety, quality, and reliability.

OUR VISION

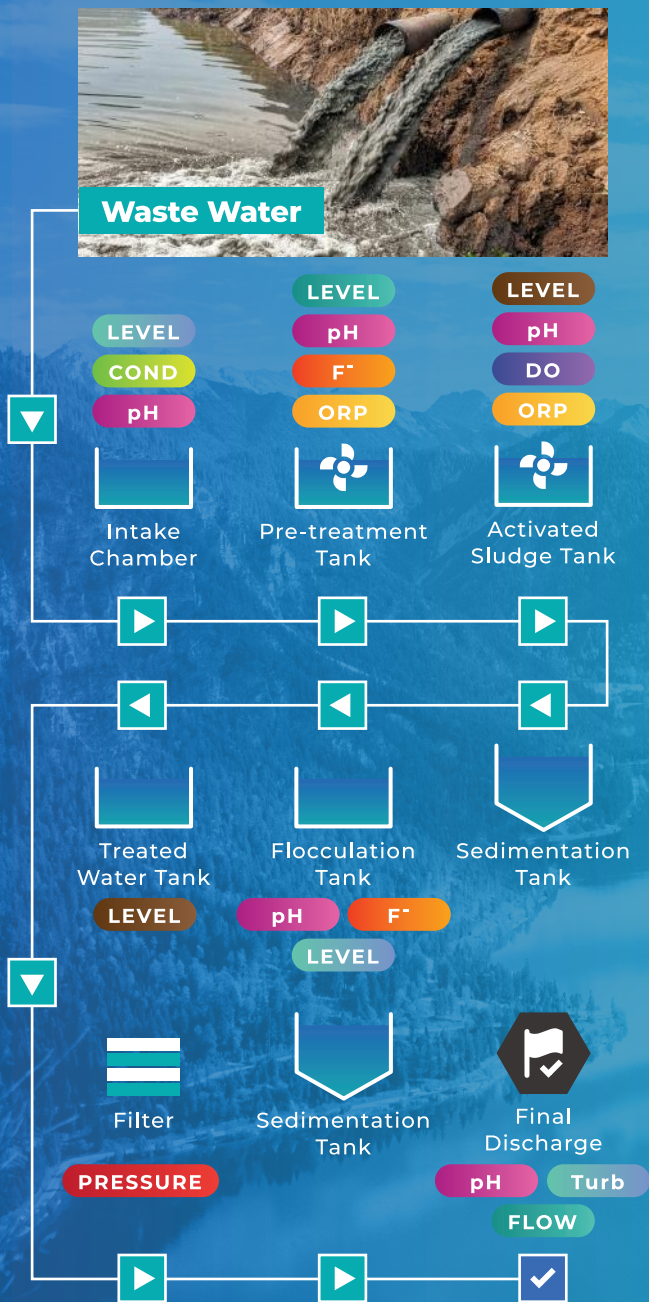
To be the company of choice of our clients in global market, for water monitoring instruments, driven by innovative, reliable and easy-to-use solutions.

OUR MISSION

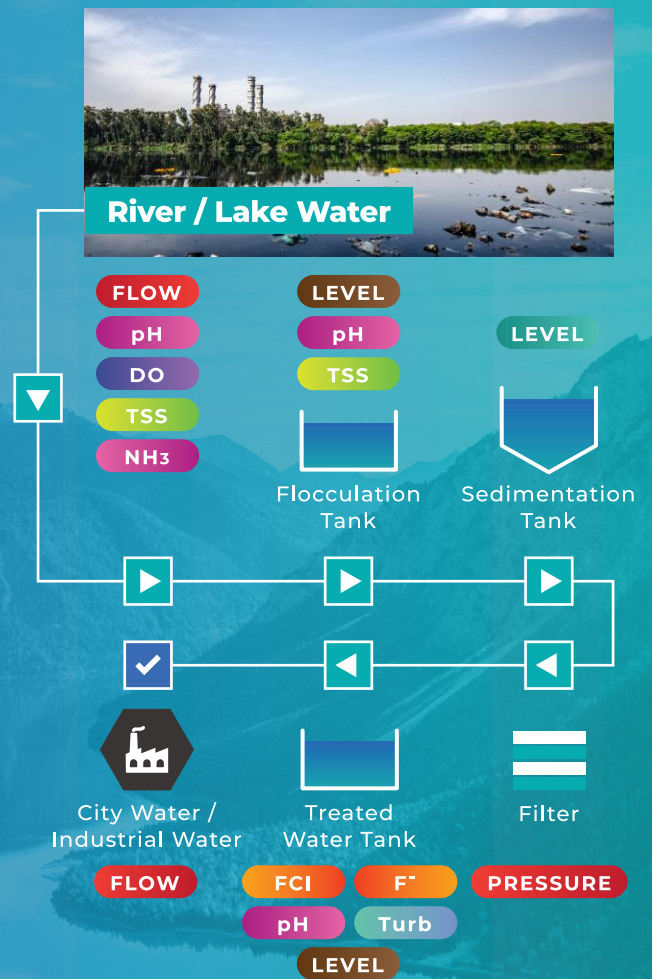
To provide one-stop, responsive, and trusted water monitoring instruments to our clients with the highest-quality, most dependable before and after sales services.



WASTE WATER TREATMENT

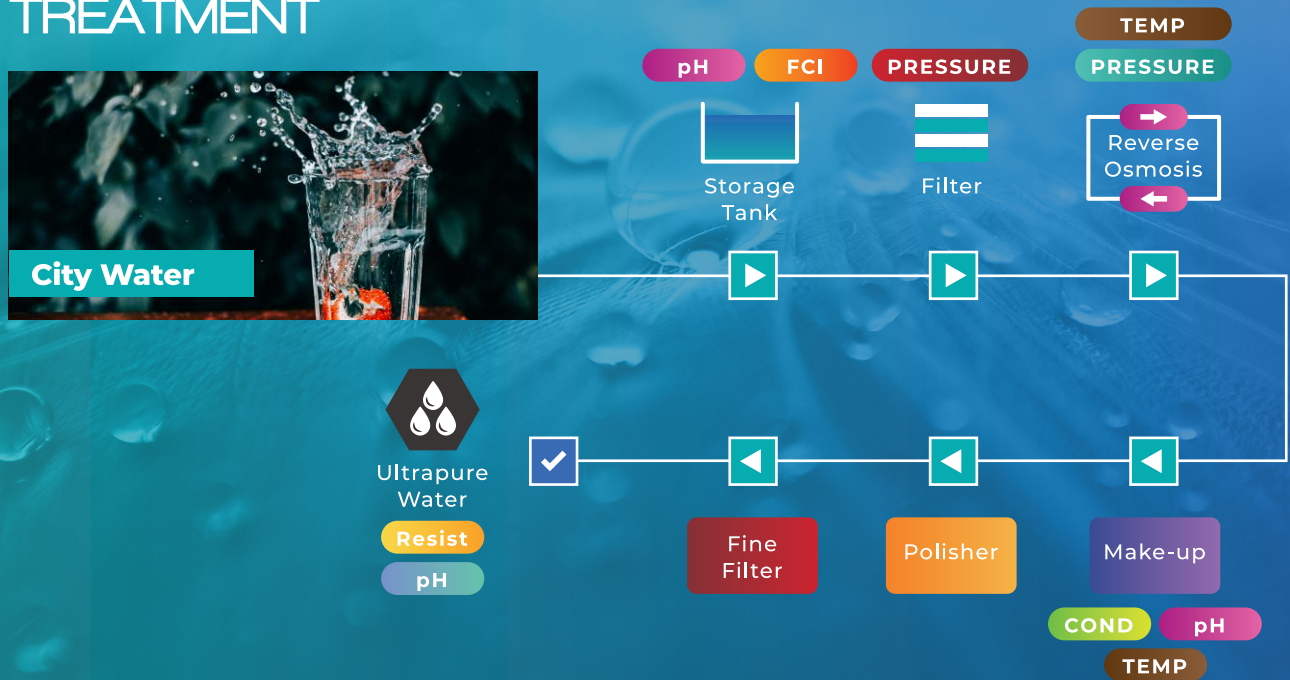


RIVER WATER TREATMENT



Hydro-Air provides total solution for applications from river water to ultrapure and wastewater monitoring.

ULTRAPURE WATER TREATMENT



INNOVATIVE, RELIABLE & COMPREHENSIVE WATER QUALITY ANALYSIS

For over 20 years, **Hydro-Air** has built a complete solution for water analysis, helping customers to fulfil all measuring tasks with application know-how and cutting-edge technologies. Playing a part in helping to protect the world's water resources by designing and manufacturing the high quality and reliable instrument remains our sole focus.

Our water analysis solutions serve a wide array of applications, from river water, waste water, drinking water until ultrapure water, making our customers to have simpler, safer and reliable process control systems.

7000 & 700 SERIES CONTROLLERS

- Water quality measurements made easy – with our signature Hydro-Air “7000 & 700 series” analyzers!



38 SERIES CONTROLLERS

- Hydro-Air “38 series” analyzers – Your Entry Level Controllers for your basic requirement.



Key Features



4-20mA current outputs



Relay outputs with delay function



Auto/Manual temperature compensation



RS485 Modbus communication



USB data logging with built-in memory



Power supply:
90-260VAC;
24VDC

Available Parameters

- | | |
|---|--|
| 01 pH/ORP | 06 Ion Selective Electrode (Fluoride, Ammonium, Nitrate etc) |
| 02 Conductivity/Salinity/Resistivity/TDS | 07 Level |
| 03 Dissolved Oxygen | 08 Amperometric (Chlorine, Bromine, Ozone, Hydrogen Peroxide, Peracetic Acid) |
| 04 Turbidity | |
| 05 Suspended solids | |

Certified Skills and Values

Hydro-Air's values and reliability are the result of a long-standing commitment to quality and detail. All the instruments are certified by European Standard.



ACCREDITA
LABORATORIO DI ACCREDITAMENTO
PRD N°1708





SENSORS & ACCESSORIES

Hydro-Air offers an extensive portfolio of analytic sensors: each sensor is specifically designed for its area of application; the respective approvals, certificates and process connections range.



M-Series Digital RS485 Sensors



They are available for pH/ORP, Conductivity, Optical DO, Turbidity, Suspended Solids, Chlorine and Fluoride. They can be directly used with M6000 controller or directly connected to IOT/SCADA.



pH Sensors

pH measurement is the most important parameter in industrial processes. High quality and reliable pH sensors are essential for all clients in different applications.



Conductivity Sensors



Conductivity measurement become increasingly crucial for process control in semiconductor industry, cooling towers, fertilizers dosing in agricultural or pharmaceutical industry.



DO Sensors

Aeration control, fermentation or river monitoring require high accuracy in dissolved oxygen measurement, to ensure quality assurance and process control.



Turbidity / Suspended Solids Sensors



Turbidity and suspended solids measurement are essential for drinking water production, effluent monitoring, and sludge concentration measurement in wastewater treatment plants.



Fluoride Sensor



It is Crystal-based with a solid state mount and does not degenerate during storage unlike conventional Fluoride electrodes.



Amperometric Sensors

Amperometric sensors measure various disinfectants dissolved in water in diverse applications such as swimming pools, CIP systems, drinking and service water, cooling and waste water.

Available parameters: Chlorine, Bromine, Ozone, Hydrogen Peroxide, Peracetic Acid.



THE RIGHT FLOWMETER FOR EVERY APPLICATION

Hydro-Air offers a comprehensive portfolio for flowmeters for various application.

With proven field technology, **Hydro-Air** can measure the flow of liquids, gas and steam with greater confidence. To ensure consistent product quality, safety and environmental protection, flow measurement is a must for all the industries.

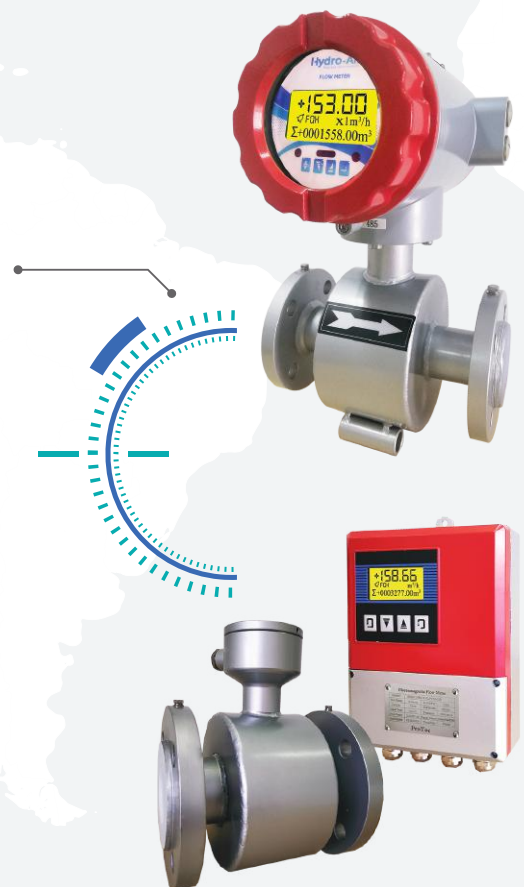
Electromagnetic Flowmeter

➤ Electromagnetic flowmeters are applicable for all conductive liquids, such as water, acids, alkalis, slurries and many others. Typical applications are monitoring of liquids, filling, dosing and precise measurement in custody transfer.



Paddlewheel Flowmeter

➤ Paddlewheel flow sensors are available in a variety of materials for a wide range of pipe sizes and insertion configurations. The many material choices, which include PP, PVDF and stainless steel, make paddlewheels highly versatile and chemically compatible in many liquid process applications.



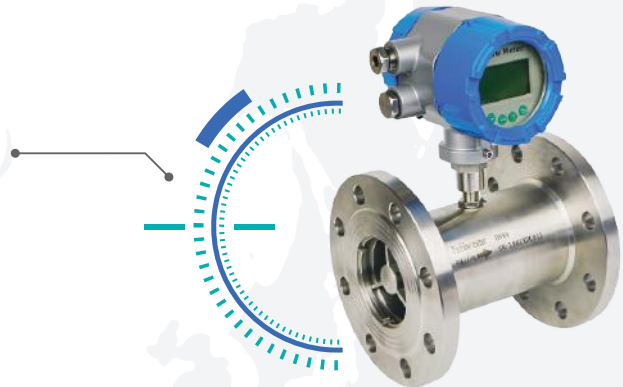
Electromagnetic Heat Meter

- Electromagnetic heat meter is a thermal conversion system contains the heat released by the hot fluid measurement. It uses a high precision with platinum RTD for temperature.



Turbine Flowmeter

- Turbine flowmeter is designed to maximize throughput and minimize pressure drop, maintain high flow rates over an extended flow range and offer pulse output that is linear to the flow rate.



Vortex Flowmeter

- Vortex flowmeter offers many advantages for flow measurement including easy installation without impulse lines, no moving parts to maintain or repair, less leak potential and a wide flow turndown range.



Ultrasonic Flowmeter

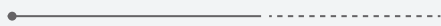
- An ultrasonic flow meter utilizes ultrasound to measure the velocity of a fluid and is used in a variety of fluid applications. Ultrasonic flowmeters are ideal for water and other liquids.

Level, Pressure and Temperature Instrumentation for the Process Industry

It is all about process controlling in today complex production processes. By building on global experience on field, Hydro-Air has built up its own reputations in its level, pressure and temperature monitoring instruments by offering maximum safety and reliability.



Level Measurement



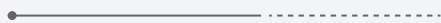
From ultrasonic level, radar level, to submersible level sensors, it is important to understand that there is no single technology catering for all the applications. Hydro-Air offers a full range of contacting and non-contacting level sensors for continuous level measurement.

Pressure Measurement



When it comes to pressure, it is all about maximum precision and stability. By taking a step forward in technology, Hydro-Air has been able to address your difficulties in pressure measurement with customized solutions for different applications.

Temperature Measurement



Temperature transmitter is a fundamental component in the industry. Hydro-Air brings you simplicity in temperature transmitter to ensure higher efficiency in your temperature control in your production.





01

Ultrasonic Level Transmitter



02

Radar Level Transmitter



03

Pressure Transmitter



04

Submersible Level Transmitter



05

Temperature Transmitter





Hydro-Air

Process Instruments

Hydro-Air Process Instruments

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