

# SensEvolution® System Product Line

## Turn-key Measurement and Analysis Systems



### OVERVIEW

The *SensEvolution System®* product line has been developed for providing turn-key systems for industrial process measurement and analysis in the more varied application fields. They are the result of combining the latest state-of-the-art-technology with over 60 years of industry experience

### DETAILS

Each system can be composed by all or some of the following components:

- An embedded computer or PLC that controls the overall system and interfaces any higher level O&M node
- A software package specialized according to the specific application
- sensing elements transmitters or analysers - e.g. spectrophotometer, photo-ionization detector, flame-ionization detector, microwaves absorption, level, temperature, pressure, density and viscosity sensors etc....
- A sampling system: either a direct insertion into the process pipe/vessel or a fast loop derivation with any required pump
- A sample conditioning subsystem, according to the application: line heaters, filters, bubblers, dehumidifiers, pressure regulators, flow controllers
- Data acquisition and logging subsystem: it handles typically analog signals (0/4...20 mA), digital I/O, thermocouple inputs, RTD inputs, resistance up to 15 K $\Omega$ , strain gauge input
- Auxiliary devices like calibration cylinders and cleaning circuits.
- Cabinets and shelters: from the shelter providing an internal controlled climate to the cabinet providing ATEX protection in potentially explosive atmospheres (hazardous areas Zone 1-2), type of protection: "Ex d", "Ex e", "Ex pz" and "Ex px".
- Service: it can be considered an integral part of the System® product line. Training, spares handling, on site programmed and spot maintenance, tuning and calibration, remote technical support, worldwide expedited shipments are all available

### ADVANTAGES

The advantages of using a Baggi System® is to have a complete, integrate turn-key solution from a single supplier. Each system is tailored according to customers' needs. Baggi service also offers complete post-sales support (periodical and spot maintenance, spares, recalibration, and technical assistance) in order to achieve full customer satisfaction.

### APPLICATIONS

Typical application fields are: refineries, petrochemical and pharmaceutical industry, blast furnaces, emission monitoring, combustion control, biogas generation, brewery and food industry, environmental analysis.

the all in one solution

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**SENSEVOLUTION®**  
Industrial measurement & analysis solutions