ENHANCE O₂ AND CO₂ MANAGEMENT WITH OUR WIDE RANGE OF QUALITY CONTROL EQUIPMENT

O₂ AND CO₂ MEASUREMENT

- **O₂ Gehaltemeter, type o-DGM**
  - Determines the dissolved oxygen (DO) content of the packaged product in a single measurement.

- **CO₂ Gehaltemeter, type c-DGM**
  - Determines the dissolved CO₂ content of the packaged product in a single measurement.

Inpack 2000 CO₂ Device, type ICC
- Comes in different executions: in carbonated beverages filled in bottles or cans and comes in two executions: in carbonated beverages filled in bottles or cans and for sampling from bottles or cans.

Inpack 2000 Air Meter, type IAM
- Determines the air content in the headspace and the total air content of the package.

- **CO₂ Selector**
  - For non-invasive CO₂ measurement in the filled package. Measures the headspace CO₂ content and internal pressure, and accurately determines the dissolved CO₂ content in the package. Piercing is not required to perform the measurement.

- **Inpack 2000 CO₂ Meter Digital, type ICD**
  - Comes in different executions: in carbonated beverages filled in bottles or cans and comes in different executions.

- **CO₂-Purity Tester, type CPT**
  - Measures the purity of the CO₂ gas and is available in the measuring range of 50 – 100 % v/v and 99 – 100 % v/v.

**MONITORING OF PROCESSES**

**PASTEURIZATION**

- **Redpost PU Monitor**
  - Monitors the pasteurization process of beer and beverages as it travels through the pasteurizer tunnel. PU’s are automatically calculated and displayed. Available in three executions:
    - Type RPU-351
    - Type RPU-352
    - Type RPU-353

Redpost Charger/Interface
- Charges PU Monitor and enables data transfer from the Monitor to a PC or printer and comes in two executions:
  - Type RJPC-80, compatible with all Redpost PU Monitors
  - Type RJPC-60, compatible with PU Monitors type RPU-120®, RPU-351/352/353

**BOTTLE & KEG WASHING**

- **Keg Monitor, type KEG 2.0**
  - Evaluates the washing process in each compartment of the bottle washer, based on the time, temperature and conductivity of the cleaning medium.
  - Determines the O₂ content of CO₂ gas from the fermentation, compressed gases and/or ultra pure gases, which makes it especially suitable for use in CO₂ recovery plants.

- **Bottle Monitor, type BTM**
  - Evaluates the washing process throughout the entire production process.
  - Faster and better process insights due to window-based PC-program.

**TOTAL LAB SOLUTION (TLS)**

- Complete, customized laboratories for quality analysis throughout the entire production process. Depending on the requirements, a total lab covers everything from concept to commissioning to after sales service.

**IN-LINE EQUIPMENT**

- **O₂ & CO₂ MEASUREMENT**
  - In-line quality assurance and product monitoring is critical during the production process.

- **In-line CO₂ Meter AuCoMet-i**
  - Determines the dissolved CO₂ content based on Henry’s Law. Can easily be extended with an O₂ sensor, due to its modular design.

- **In-line O₂ Gehaltemeter, type OGM**
  - Determines the DO content based on optical O₂ measurement.

- **In-line CO₂ Selector**
  - For non-invasive CO₂ measurement in the filled package.

**TURBIDITY MEASUREMENT**

- **In-line Turbidity Meter, type Optihaze-i**
  - Determines the turbidity of beer and beverages according to the MEBAK standard.

**VARIOUS EQUIPMENT**

- **Dew Point Tester, type DPT**
  - Measures the condensation temperature of humidity present in CO₂ or other gases.

- **Gauge Calibration Device, type GCD**
  - Precisely calibrates pressure gauges and digital pressure sensors.

- **CO₂ Purity Tester, type CPT**
  - Measures the purity of the CO₂ gas and is available in the measuring range of 50 – 100 % v/v and 99 – 100 % v/v.
Operating a state-of-the-art food and beverage production plant, requires just-in-time processes, minimized production losses and compliance with tough quality regulations. This is why it is so important to have precisely planned service intervals, trained service personnel and an outstanding supply of original spare parts.

Our dedication to your system continues after the sale. Through comprehensive lifecycle management, Pentair ensures that your installation operates at optimal performance. Pentair's Service Level Agreements are offered worldwide. They include monitoring of the system via the Internet to help diagnose operational problems, a short engineer response time of 24 hours and faster access to system components. This keeps downtime to a minimum in case of emergency.

Proper planning is key, and maintenance costs can be significantly reduced through accurately planned service intervals. Preventative maintenance helps to minimize maintenance time and unscheduled downtime. All of this contributes to a lower Total Cost of Ownership (TCO).

Pentair supports you in creating custom made service plans that perfectly fit your requirements. In addition, Pentair offers plant audits that may relate to processes such as energy savings, increasing operational reliability or the expansion/upgrading of an existing installation. Audits can be carried out externally by means of a simulation or directly on-site.

For operation and service personnel, Pentair offers classroom and hands-on trainings on specific projects. Do not hesitate to contact us for more details on our trainings program.