

Skid-mounted Beer Analysis System

Animo 5100



Animo 5100: Skid-mounted Beer Analysis System

Animo 5100 is a modular measuring system which delivers all critical quality control parameters from the beer filling line. It integrates the high-quality online sensors, analyzers, and mechanical components needed for precise and safe operation. Because of its evaluation unit monitoring, operating from a single point and data evaluation from the desktop are easy. By providing project engineering, system design, installation support, and commissioning Anton Paar makes the all-in-one package complete.

Customers benefit from a ready-to-go quality control system. It doesn't matter whether a new line is built or an existing line is upgraded with the latest sensor technology, Animo 5100 is individually adaptable to each production environment. The skid dimensions themselves can be custom-fit into the process. Even the complete implementation of the system without the need of an additional frame is possible. Additional sensors and components can be integrated on request.

L-Com 5500 – a compact sensor for alcohol and extract measurement

- Highly stable combined density and sound velocity sensor
- Built-in algorithms to compensate process variations and changing environmental conditions
- Drift-free and reliable measuring results during filler stops and product change-overs due to the maintenance-free sample pump ensuring a constant flow of the product through L-Com 5500
- High-precision measurement of the line pressure and temperature

Carbo 520 Optical – the drift- and maintenance-free CO₂ sensor

- Dissolved CO₂ sensor based on infrared technology
- Soldered optics and a gastight sealed sensor unit prevent the occurrence of drifts during CIP and ensure long-term stability

Oxy 510 – minimized consumables for dissolved oxygen measurement

- Detection of minimal traces of dissolved O₂ down to the ppb range
- Install and measure without calibration, the sensor caps include their calibration data
- Residual sensor cap lifespan estimator



Evaluation Unit mPDS 5 – process monitoring in real-time

- Real-time acquisition of all required measuring data with the mPDS 5 evaluation unit
- No need for time-consuming on-site adjustments due to factory pre-configuration including sensor setup and calculation methods
- Data exchange, remote control, and diagnosis via various fieldbuses using one line for all sensors

Davis 5 analysis software – tracing your production quality

- Statistical evaluation and traceability of line performance
- Tracing of calibration and adjustment activities and data
- Automated transfer of laboratory reference values into the process instruments

Conductivity sensor – no traces of CIP agents in your products

- High reproducibility of ≤ 1 % of the measurement value
- Wear-free and hygienic design

Flow meter – cost-effective electromagnetic flow measuring

- No pressure loss
- Insensitive to vibrations

Piping and wiring

- DIN EN 10357 sanitary stainless steel pipes
- Use of FDA-approved elastomers only
- Hygienic butterfly valves (according to your specifications)
- Sampling valve
- Extensible according to your requirements
- Single-line data communication via fieldbus

