Au2mate

PROCESS AUTOMATION PARTNER

DAIRY PLANT AUTOMATION ——————————

Au2mate Butter Standardization

Looking to maximize efficiency and profitability in your butter production?
Au2mate, in collaboration with FOSS, offers an innovative solution tailored for producers who demand precision and sustainability.

DESCRIPTION

The system integrates a PLC with Au2mate's standardization software and a ProFoss in-line sensor for continuous monitoring of moisture and SNF levels, as well as automatic speed control of dosing pumps.

Developed in collaboration with FOSS, the unit offers precise in-line process control for butter standardization. It is designed to seamlessly integrate into both new and existing installations and is adaptable as a standalone unit with an operator panel or as a fully integrated component of a central PLC and SCADA system. This combination of expertise ensures consistent, high-quality butter production with minimal downtime and rapid commissioning.

KEY FEATURES

In-line analysis: Real-time monitoring of moisture, fat, salt, and SNF levels using ProFoss 2

Advanced automatic regulation: Dynamic control of moisture and fat levels

Self-learning functionality: Stores and optimizes regulator outputs during production for reduced settling times.

Configurable recipes: Customize the process to specific production requirements
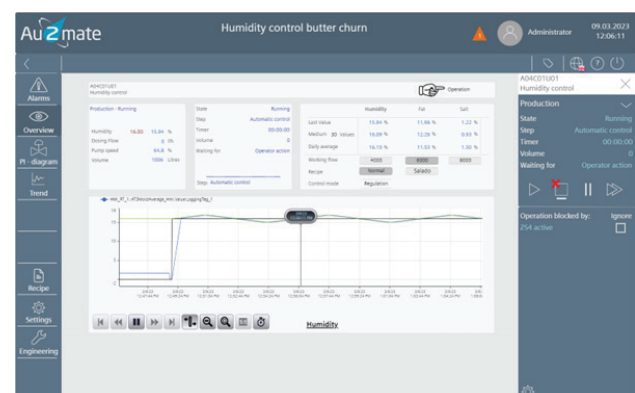
BASE CONFIGURATION

Au2mate butter standardization unit is pre-mounted, wired, and tested on frame and includes the following equipment:

- Stainless steel electrical cabinet
- Rittal HD compact enclosure
- Siemens control system
- Analog and digital I/O
- Siemens Unified HMI panel
- 24 V DC pewer supply

OPTIONAL FEATURES

- Rockwell or Schneider Electric control system
- Additional network cards for dedicated factory LAN
- Larger cabinets accommodating up to two frequency inverters for dosing pumps
- Seamless MES system integration
- 24/7 support agreements for uninterrupted operations
- IPC in panel for ProFoss ISIscan Nova operation software

Factory LAN   FOSS ANALYTICAL
                     PROFOSS 2

Factory LAN   AU2MATE
                     BUTTER STANDARDIZATION

Foss software
- desktop PC
- or virtual hosting

Remote connection

ProFoss 2

VFD's for
dosing
pumps