

OPERATION MODES PARAMETERIZATION

In continuous operation, the Smart Dosing Pump provides a constant flow. Batch operation is used for repeated filling of defined quantities.

Target value input takes place according to the requirements for system integration via:

- A handheld control panel (HMI)
- Analog and digital inputs
- Various fieldbus interfaces (e. g. PROFIBUS DP, CANopen, EtherCAT, DeviceNet, PROFINET, Ethernet POWERLINK, EtherNet/IP)

INTELLIGENT CONTROL

The pump can be configured with various measurement technology options.

1 MEASUREMENT OF PROCESS VARIABLES (ACTUAL VALUE)

The precise measurement of pump capacity is required to control the speed of the pump. The pump independently corrects even the smallest deviations from the target value. Choose between two alternatives: a flow meter (e. g. EMF) for direct measurement or a high precision encoder on the motor shaft for inferred measurement of the volume flow rate and portion quantity.

2 SAFETY FEATURES

Safety features are realized by integrating further sensors. For example, pressure sensors detect an over or under pressure while dry-running of the pump can be prevented by integrating the SEEPEX dry-running protection device TSE.

