



Batch Controllers Loading Systems

Models:

- **302:** high speed batch controller for the packaging industry. For batch cycles from 0.5 seconds. Fine tune function, CIP-control, package detection, eight preset values, product names.
- **310:** standard batch controller with overrun correction, two stage control, flowrate indication plus totalizer and batch counter.
- **313:** batch controller with printer driver. The printer data can be selected easily and includes functions such as: customer ID, product name, time/date, totals, alarms, sequence number etc.
- **320:** advanced batch controller with 4 or 14 preset values. Monitoring functions for: flowrate, total, leakage, process time, batch size etc. Auto restart function and manual flush control.
- **326:** loading computer / preset with 4 - 20mA output for smooth, proportional ramp-up and ramp-down valve control. Monitoring functions for high/low flowrate, overfill, security and power status to ensure maximum safety.
- **330:** two completely separate batch controllers. Both processes can be started up at any time. Product names, flowrate, preset quantity, remaining quantity and flowrate are all displayed.

Features:

- Four styles of housing are available for wall-mount, panel-mount and hazardous area installation.
- Full keyboard with 20 industrial micro-switch keys.
- Alphanumeric display text in English, French and German.
- Preset value, actual quantity, flowrate and product name can all be read at a single glance.
- Multiple pre-programmable batch sizes.
- Self learning batch overrun correction.
- Various monitoring functions including: flowrate, no-flow, leakage, batch-size, process time etc.
- Accepts NPN / PNP, reed switch or Namur input signals.
- Three volt-free make-and-break relay outputs to control valves / pumps and indicate alarms.
- 8 digital inputs to control the process remotely: selecting batch sizes, start/stop, initiating alarm conditions etc.
- Modbus communication RS232 / RS485.
- Compact, explosion-proof enclosure; certified in accordance with Atex $\text{Ex II 2 G EEx d IIB T5}$.
- User friendly operation with clear menu structure.

Application example:

