



Batch controller BC 20-DC / BC 20-AC



- Indication of the pre-set value, the batched quantity and the actual flow rate
- LCD, 2 x 16 characters, back lighted with 5,5 mm letter size
- Easy operation via the numeric key path
- Highest batch accuracy through a 4-20 mA valve output signal with a 5-step shut-off ramp which prevents also pressure shocks in high flow rate metering systems (optional).
- Intelligent, self optimising overrun compensation
- Different purge functions of the measuring system
- Different failure monitoring functions
- PID-flow control function (optional)
- Modbus-interface (optional)

Technical data:

- BC 20-DC power supply:**
24 V DC with a current of about $I = 250$ mA
- BC 20-AC power supply:**
100 - 240 V AC, 47 - 63 Hz

Options:

- 4-20 mA valve output with ramping functions
- 4-20 mA valve output with flow control function
- RS 485 Modbus-interface

Inputs:

- 1 x Pulse input, active for the connection of passive pulses or Namur-contacts
- 3 x 4 - 20 mA current input, passive
- 3 x Digital input, active for releases or remote control

Outputs:

- 1 x Current output 4 - 20 mA, active for the control of the batching valve, $R_{max} = 900 \Omega$ (optional),
- 2 x Digital outputs, optocoupler, passive $I_{max} = 50$ mA
- 2 x Digital outputs, relay with passive contacts $U_{max} = 250V$, $I_{max} = 2A$

Interface:

- 1 x RS 485 with Modbus-protocol

Housing:

Panel mount, Dimensions: 96 x 96 x 120, front IP65

Block diagram:

