bürkert
FLUID CONTROL SYSTEMS

Single or Multi 8025 Controller Batch System

- Batched volume and totalizers displayed
- Simulation: all output signals provided without need of real flow
- Seven selectable preset programs
- Automatic calibration: Teach-In
- Customisation available on request
- Enclosures available in mild and stainless steel and plastic/GRP
- Full set of drawings and tags
- Installation and commissioning available upon request

The batch controller is specially designed for use in neutral and slightly aggressive, solid-free liquids.

- Local dosing:
  The user enters the quantity to be metered and initiates the dosage from the keypad.
- Local dosing with pre-set quantity:
  The user selects a quantity which has been preset and initiates the dosage from the keypad.
- Remote control dosing:
  Using a rotary knob (selecting a pre-set quantity) or binary data inputs.
- Dosing controlled by a PLC unit:
  Using binary data inputs.
- Automatic dosing controlled by variation of pulse duration.
  The quantity of the dose is directly proportional to the duration of a pulse.

Indication in operating mode / Display

- Dosing amount
- Dosing mode
- Main totalizer
- Daily totalizer with reset function Parameter definition
- Language
- Engineering units
- K-factor / TEACH-IN function
- Selection of dosing mode
- Over-run correction
- Alarm
- Function mode of relays
- Reset main totalizer Test
- Display of state of binary inputs
- Relay test
- Frequency test

Technical Data	
Electrical connection	Via Terminals Mounted in the enclosure
Connection cable	Shielded, max. 1.5mm2
Protection Class	Display IP65, Enclosure IP66
Relative humidity	< 80%, without condensation
Ambient temperature	0 up to +60 deg C

Electrical Data	
Compatibility	Bürkert flow sensor with frequency output (8020,8030, 8030HT, 8041, 8031, 8070,8071) and other sensors with compatible electrical data.
Power Supply	115/230V AC 50/60Hz
Current consumption	< 2.5A
Sensor input **Sensor Output** **Voltage supply** **Current consumption**	2.5 up to 700 Hz – Open collector NPN, Coil, TTL, CMOS 12...30 V DC or 0...18 V DC Max. Current available from controller: 100 mA
Input	4 binary inputs, 5...30 V DC
Output **Batch status**	Polarized, potential free, 5...30 V DC; 100 mA, Protected , line drop at 100mA: 1.5V DC – for status and alarm message 2 relays, freely programmable, 3A 230v AC

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