

EB10 Series Batch Controller



The EB10 Ecobatch is a fully programmable high speed batch controller specifically designed to operate with common pulse producing flowmeters such as positive displacement, turbine, mass, vortex or magnetic style.

The instrument displays batch value, batch progress & cumulative total in engineering units as programmed by the user, it also logs the total number of batches performed and total volume dispensed.

EB10 scrolls messages to prompt the user at each stage of operation. Batch limiting and no-flow detection are "safeguards" against erroneously high batch entries, loss of the flow input signal or control valve or pump failure.

Features and Benefits:

- ✓ Large 8 digit batch & cumulative total LCD
- ✓ Robust IP66/67 universal mount or DIN panel mount version
- ✓ Simple programming
- ✓ PIN protected programming
- ✓ Scaleable flow inputs
- ✓ Two stage control
- ✓ Automatic overrun compensation
- ✓ Missing pulse (no flow) alarm
- ✓ Maximum batch size limiting
- ✓ Non volatile memory
- ✓ Multiple batcher interlock function
- ✓ Remote Run, Stop, batch set, etc

MODEL CODE

EB10 = Single & two stage high speed batch controller
(cumulative & batch totals)

INPUT TYPE

D = Digital (pulse or frequency)

POWER SUPPLY

- 0** = 12-24 VDC, 50mA (FM, MM, FA, MA only)
- 1** = 95-135Vac DIN only
- 2** = 190-260Vac DIN only

HOUSING TYPE

- FM** = Universal mount (field or panel) GRN housing
- MM** = Integral meter mount - GRN housing*
- FA** = Universal mount (field, surface, pipe, wall, stem or panel mount)
- MA** = Integral meter mount
- PM** = DIN panel mount 91 x 91mm (3.6 x 3.6") cut out
- FE** = DIN mount field enclosure IP66 (NEMA 4x)

EB10 + D + 0 + FA ← (Sample Model Number)

EB10 - SPECIFICATIONS

Liquid crystal display (LCD):	9mm high alpha numeric characters + subscripts
Batch & Accumulated Totals:	8-digit, programmable to 3 decimal places
Engineering Units Displayed:	Litres, gallons, m3, lbs, kgs or nil eng. units displayed
Input Types (Pulse & Frequency):	Reed switch, open collector, coil (15mV P-P min.), current, voltage, namur & other proximities. Max. frequency 10Khz
Input Scaling Range:	0.001-9,999,999.999 with 3 floating decimal points
Control Outputs:	(Field Mount) Two 1A NPN open collectors, 24Vdc max. (Panel Mount) Two SPDT 5A relays (with DIN versions)
Alarm output (No flow alarm):	1A open collector (NPN/PNP selectable), 24Vdc max.
Operating Temperature:	-10 to +80°C (14 to 176°F), refer to factory for higher/lower temp.
Power Requirements:	12-24Vdc, 50mA, 95-260Vac (DIN version)
Status Interlocks:	Batch status output, batch inhibit input, network looping
Enclosures:	IP66/67 (NEMA 4X) GRN field mount or DIN panel mount
Mounting:	Meter mount, wall, surface, pipe or panel mount
Batching Systems Example	Ecobatch with flowmeter & control valve eg: UM020 system 1-70 L/min, 10 bar, 90°C (0.3-18 Usgpm, 145psi, 195°F)