

Concrete Batch Controllers

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1280® FlexWeigh Systems 320

Decumulative/Accumulative Batcher

**CONCRETE BATCH
CONTROLLERS**

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1280[®] FlexWeigh Systems

Decumulative/Accumulative Batcher



Specifications

Power:

100 to 240 VAC; 50/60 Hz

Excitation Voltage:

10 ± 0.5 VDC
16 x 350 ohm or 32 x 700 ohm load cells per A/D card

Analog Signal Input Range:

-60 mV to 60 mV

Analog Signal Sensitivity:

0.3 µV/graduation minimum at 7.5 to 120 Hz
1.0 µV/graduation recommended

A/D Sample Rate:

7.5 to 960 Hz, software selectable

Resolution:

Internal: 8,000,000 counts
Display: 1,000,000

System Linearity:

± 0.01% full scale

Communication Ports:

Port 1 & 2: Full duplex RS-232 with CTS/RTS, RS-422/485
Baud Rate: 1200 to 115200
Port 3: USB 2.0 Device (Micro)
USB Host: (2) Type A Connectors max 500 mA
Ethernet: Wired 10/100 Auto-MDX
Ethernet: Wireless 802.11 b/g/n 2.4GHz

On board:

Selectable filters: Three stage, adaptive or damping
Embedded Linux[®] OS
8 GB eMMC (system use)
1 GB DDR3 RAM
460 MB onboard database (SQLite) storage
Up to 32 GB micro SD card

Display:

Twelve-inch, 1280 × 800 pixel,
1,500 NIT

Temperature Range:

Certified: 14 °F to 104 °F (-10 °C to 40 °C)
Operating: -4 °F to 131 °F (-20 °C to 55 °C)

Rating/Material:

Painted mild steel enclosure
NEMA Type 4; IP66

Dimensions:

20 × 20 × 8 in

Warranty:

Two-year limited

EMC Immunity:

EN 50082 Part 2 IEC
EN 61000-4-2, 3, 4, 5, 6, 8, 11

Standard Features

- Powered by 1280 Enterprise Series indicator
- Large 12-in color touchscreen display
- Remote batching through web server integration
- Front panel control switches and emergency stop
- Automatic or manual batching modes
- Configurable from two to five scales (one to two cement scales, and one to three material bins)
- Up to four admixes (bottled or direct)
- Manual entry of moisture compensation percentage
- Metered water controlled by onboard DIO
- Import/export databases via USB, Revolution[®] or Interchange software
- Configurable batch transaction ticket
- Storage for 1,000 transactions, 1,000 mix designs, 500 customers
- Available with English or Spanish operation and in imperial or metric measurements

Options

- Desktop stand
- Sun visor

Part Number/Price

Part #	Description	Price
208907	Decumulative batcher	\$15,950.00
216733	Accumulative batcher	Consult
212392	Sun visor	\$500.00
212234	Desktop kiosk stand	\$450.00

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Decumulative/Accumulative Batcher

Front Panel Switches		
	Decumulative Batcher	Accumulative Batcher
Auto/Manual	x	x
E-Stop	x	x
Conveyor Start/Run*	x	x
Bin 1*	x	x
Bin 2*	x	x
Bin 3*	x	x
Cement 1*	x	x
Cement 2*	x	x
Water*	x	x
Admix 1*	x	x
Admix 2*	x	x
Admix 3*	x	x
Admix 4*	x	x
Aggregate Hopper		x
Cement Hopper		x

* Available in Manual Mode

Outputs		
	Decumulative Batcher	Accumulative Batcher
Conveyor Start/Run	x	x
Alarm/Horn	x	x
Bin 3 Vibrator	x	
Bin 3 Feed	x	x
Admixture 1 Fil/Feed	x	x
Admixture 1 Discharge	x	x
Admixture 2 Fil/Feed	x	x
Admixture 2 Discharge	x	x
Admixture 3 Fil/Feed	x	x
Admixture 3 Discharge	x	x
Admixture 4 Fil/Feed	x	x
Admixture 4 Discharge	x	x
Bin 1 Feed	x	x
Bin 2 Feed	x	x
Cement 1 Feed	x	x
Cement 2 Feed	x	x
Water Feed	x	x
Bin 1 Vibrator	x	x
Bin 2 Vibrator	x	
Cement 1 Air	x	x
Cement 2 Air	x	x
Dust Collector 1	x	x
Dust Collector 2	x	x
Aggregate Vibrator		x
Cement Vibrator		x
Aggregate Air		x
Water Discharge		x
Aggregate Gate Open		x
Aggregate Gate Close		x
Cement Gate Open		x
Cement Gate Close		x

Inputs		
	Decumulative Batcher	Accumulative Batcher
Admixture 1 Bottle Empty	x	x
Admixture 1 Pulse	x	x
Admixture 2 Bottle Empty	x	x
Admixture 2 Pulse	x	x
Admixture 3 Bottle Empty	x	x
Admixture 3 Pulse	x	x
Admixture 4 Bottle Empty	x	x
Admixture 4 Pulse	x	x
Manual Mode	x	x
Air Pressure OK	x	x
E-Stop	x	x
Water Meter Pulse	x	x
Conveyor Running	x	x
Water Gate Limit Switch		x
Aggregate Gate Limit Switch		x
Cement Gate Limit Switch		x

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