1280 FlexWeigh Systems Concrete Batcher

Decumulative/Accumulative Batcher

Standard Features

- Powered by 1280 Enterprise™ Series indicator
- Large 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 and 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	Consult
216733	Accumulative batcher	Consult
212392	Sun visor	Consult
212234	Desktop kiosk stand	Consult

Specifications

Power:
100 to 240 VAC; 50/60 Hz

Excitation Voltage:
10 VDC (± 0.5 Volts)
16 × 350 ohm or 32 × 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 2.4 GHz

Onboard:
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:
12-inch, 1280 × 800 pixel, 1,500 NIT

Temperature:
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

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 1 Discharge	x	x
Bin 1 Vibration	x	x
Bin 2 Discharge	x	x
Bin 2 Vibration	x	x
Bin 3 Discharge	x	x
Bin 3 Vibration	x	x
Cement Hopper Gate (Close)		x
Cement Hopper Gate (Open)		x
Cement Silo 1 Feed	x	x
Cement Silo 2 Feed	x	x
Cement Weigh Hopper Air		x
Cement Weigh Hopper Vibration		x
Cement Silo 1 Air	x	x
Cement Silo 2 Air	x	x
Water Fill/Feed	x	x
Weighed Water Discharge Gate		x
Admixture 1 Discharge	x	x
Admixture 1 Fill/Feed	x	x
Admixture 2 Discharge	x	x
Admixture 2 Fill/Feed	x	x
Admixture 3 Discharge	x	x
Admixture 3 Fill/Feed	x	x
Admixture 4 Discharge	x	x
Admixture 4 Fill/Feed	x	x
Aggregate Hopper Gate (Close)		x
Aggregate Hopper Gate (Open)		x
Aggregate Hopper Vibration		x
Aggregate Weigh Hopper Air		x
Dust Collector 1	x	x
Dust Collector 2	x	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
Weighed Water Gate Closed Limit Switch		x
Aggregate Hopper Gate Closed Limit Switch		x
Cement Hopper Gate Closed Limit Switch		x

CONCRETE BATCH CONTROLLERS