

1280 FlexWeigh Systems Concrete Batcher

RICE LAKE
WEIGHING SYSTEMS
www.ricelake.com

*As of: Sunday, June 30,
2024*



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

Powered by the 1280 Enterprise™ Series Weight Indicator

The power of the 1280 Enterprise Series indicator provides an easy-to-configure concrete batching system for small or portable concrete plants. The large color touchscreen makes it easy for operators to monitor material levels and access records for hundreds of mixes, customers, and tickets.

The 1280 Enterprise concrete batching system adds efficiency to concrete mixing processes. Operators can view material levels from two or five scales, and manually edit material amounts and moisture compensation percentages for complete batching control

1280 FlexWeigh Systems Concrete 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

Front Panel Switches

Front Panel Switches		
	Decumulative Batcher	Accumulative Batcher
Auto/Manual	X	X
E-Stop	X	X
Conveyer 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

Outputs		
	Decumulative Batcher	Accumulative Batcher
Conveyor Start/Run	X	X
Alarm/Horn	X	X
Bin 3 Vibrator	X	X
Bin 3 Feed	X	X
Admixture 1 Fill/Feed	X	X
Admixture 1 Discharge	X	X
Admixture 2 Fill/Feed	X	X
Admixture 2 Discharge	X	X
Admixture 3 Fill/Feed	X	X
Admixture 3 Discharge	X	X
Admixture 4 Fill/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	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

Outputs		
	Decumulative Batcher	Accumulative Batcher
Aggregate Air		X
Water Discharge		X
Aggregate Gate Open		X
Aggregate Gate Close		X
Cement Gate Open		X
Cement Gate Close		X

Inputs

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

Parts

Part #	Description
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208907	1280 FlexWeigh System Decumulative Concrete Batcher, 20 x 20 x 10 in Painted Mild Steel Enclosure, IP66 Rated, Includes Front Panel Switches and Relays. Batching Application Available in English or Spanish
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216733	1280 FlexWeigh System Accumulative Concrete Batcher, 20" x 20" x 10" painted mild steel enclosure, IP66 rated, includes front panel switches and relays. Batching application available in English or Spanish.
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Options

Part #	Description
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212234	STAND KIOSK STANDS FOR A 20X20 ENCLOSURE. 1280 CONCRETE BATCHER.
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212392	Sun Visor Optional Sun Visor for 1280 Concrete Batcher enclosure
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