

CB-3 Concrete Batch Controller

Multi-Scale Automated Batching System with PC Program



(Note: Factory field installation required, minimum of three days on-site)

Standard Features

- One aggregate and one cement scale, water scale is standard for P/N 177747
- Manual override controls
- Customized batch ticket printing
- Web server
- 128 GB data storage
- Material usage by day/week/month/year and inventory on-hand with reporting
- Automatic aeration control for cement silos and weigh hoppers
- Multiple freefall values per material
- Split batching for loads larger than plant capacity with pre-weighing next batch
- Automatic dust collection outputs
- Order based batching
- Units: US standard or metric (SI) operation
- Aggregate conveyor
- Loss-in-weight aggregate dispensing
- Four dual or eight single speed aggregates
- Four dual or eight single speed cements
- Weighed water with water reservoir (P/N 177747)
- Up to eight auxiliary manual controls
- Mixer controls for central mix block or precast plants
- Ethernet TCP/IP
- Up to six admixtures
- Multi-user interface
- Dual moisture probe interface supports 4-20 mA

Options

- Monitor
- Keyboard
- USB hub four ports
- USB WiFi dongle
- Mouse
- Additional four admixture control system
- Portable batch plant system
- Control panel for remote batching

Specifications PC

Model:

B&R APC2100

Processor Type:

Intel Atom E3845
Quad Core

Data Storage Type:

Industrial CFast Card

Data Storage Capacity:

128 GB

Interfaces:

Two USB
Two Ethernet

Monitor Output:

One SDL/DVI

Operating System:

Linux Ubuntu 16.04

Voltage:

24 VDC

Specifications 920i

Line Voltages:

115 or 230 VAC

Frequency

50 or 60 Hz

Power Consumption:

500 mA, maximum at 115 VAC (26 W) / 240 mA
at 230 VAC (26 W)

Full Scale Input Signal:

Up to 40 mV

Excitation Voltage:

10 \pm 0.5 VDC, 16 x 350 Ω or 32 x 700 Ω load cells
per A/D card

Sense Amplifier:

Differential amplifier with 4 and 6 wire sensing

Analog Signal Input Range:

-10 mV to +40 mV

Analog Signal Sensitivity:

0.3 μ V/graduation minimum at 7.5 Hz
1.0 μ V/graduation typical at 120 Hz
4.0 μ V/graduation typical at 960 Hz

A/D Sample Rate:

60 Hz

Calibration Method:

Software, contents stored in flash memory

Display:

(W x H) 4.6 in x 3.4 in (116 mm x 86 mm),
320 x 240 pixel VGA liquid crystal display (LCD)
module with adjustable contrast, 75 Hz scan rate
26,000 cd/m² brightness

Keyboard:

27-key membrane panel

Input Overload:

Load cell signal lines \pm 10 V continuous, ESD
protected

RFI/EMI Protection:

Signal, excitation and sense lines protected

Microcomputer:

Motorola ColdFire® MCF5307 main processor
at 90 MHz

Digital Filter:

Software selectable: 1–256, enhanced
RATTLETRAP® hybrid digital filtering

Warranty:

Two-year limited warranty

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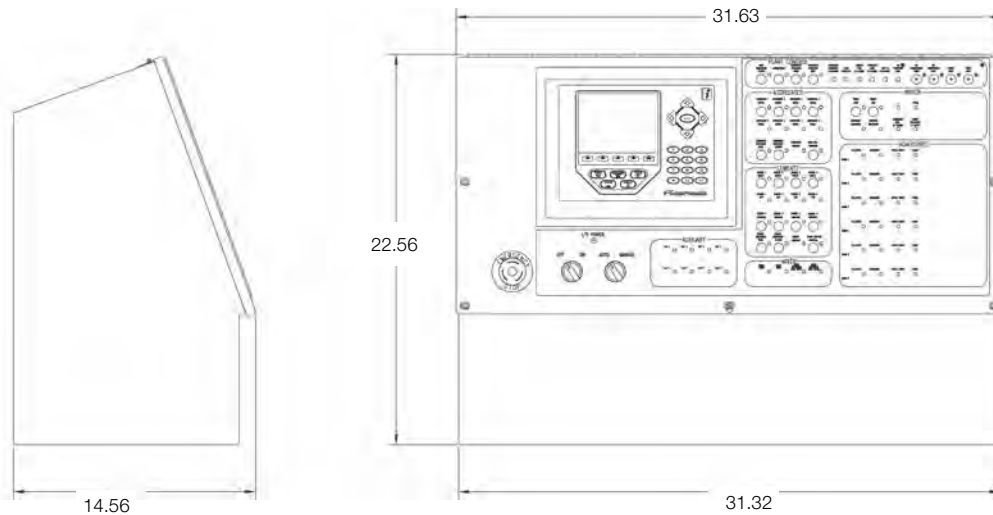
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Part Number/Price

Part#	Description	Est. Weight	Price
177746	CB-3 concrete batching controller, metered water, PC included	180 lb	\$22,500.00
177747	CB-3 concrete batching controller, weighed water, PC included	180 lb	\$22,995.00
FLD-INSTALL	Factory field installation required (minimum 3 days on site)		\$1,320.00 per day
FLD-INSTALLSA	Factory field installation, Saturday		\$1,980.00
FLD-INSTALLSU	Factory field installation, Sunday		\$2,640.00

Options/Accessories

Part #	Description	Price
175877	Upgrade kit CB-2 to CB-3, PC included	\$9,445.00
179209	Accessory kit (includes monitor, keyboard, USB hub and mouse)	\$302.00
179210	Monitor, Acer	\$240.00
179211	Keyboard, Microsoft	\$45.00
179212	Mouse, Microsoft	\$42.00
185667	USB Hub	\$13.95
186277	Wireless USB adapter WI-FI	\$60.00
196700	4 Additional Admix controller	Consult



CB-3 Ticket Output



CB-3 Truck Monitoring Screen



CB-3 Batcher Screen