

MSI-8004HD

Indicator/RF LED Remote Display

Part Number/Price

Indicator		
Part #	Description	Price
178265	MSI-8004HD Indicator, 4CH AC, Red/Green 85~264VAC, 47~440 Hz, 120~370VDC	\$1,830.00
178269	MSI-8004HD Indicator, 4CH DC 8-32V, Red/Green Best for external 12V SLA Batteries	\$1,865.00
178271	MSI-8004HD Indicator, 4CH DC 9-36V Iso, Red/Green Do not use on 12V Vehicle Systems	\$1,945.00
178274	MSI-8004HD Indicator, 4CH DC 18-75V Iso, Red/Green	Consult
178278	MSI-8004HD Indicator, 4CH DC 5V, Red/Green For use with external 15W, 5V Power Supplies	Consult
183481	MSI-8004HD Indicator, 4CH 5V Red/Green with external rechargeable battery	\$1,840.00
196904	MSI-8004HD Indicator, 4CH AC, Red/Green Instant Power-On, 85-264VAC	\$2,025.00
Remote Display		
178281	MSI-8004HD Display, AC, Red/Green 85~264 VAC, 47~440 Hz, 120~370 VDC	\$1,785.00
178283	MSI-8004HD Display, DC, 8-32V, Red/Green Best for external 12 V SLA Batter	\$1,745.00
178285	MSI-8004HD Display, DC, 9-36V Iso, Red/Green Do not use on 12 V Vehicle Systems	\$1,820.00
183479	MSI-8004HD Display, 4CH 5V Red/Green with external rechargeable battery	\$1,580.00

Options

Part #	Description	Price
148624	Serial Cable, RS-232 9000 Serial Cable, DCE	\$115.00
139309	Antenna Kit, Long Range Omni-directional, 9dBi with 3 m Coax Intended for omni-directional mast mounting (up to 2" Ø). Beam-width. Must be mounted vertically.	\$435.00
139310	Antenna Kit, Corner Reflector, 9 dBi with 3 m coax intended for directional wall or mast mounting (up to 2" Ø). Beam-width: 75° Elevation, 65° Azimuth	\$430.00
139311	Antenna Kit, Corner Reflector, 12 dBi with 3 m coax intended for directional wall or mast mounting (up to 2" Ø). Beam-width: 50° Elevation, 36° Azimuth	\$460.00
139312	Antenna Kit, YAGI, 15 dBi with 3 m coax highly directional wall or mast mounting (up to 2" Ø). Beam-width: 30° Elevation, 34° Azimuth	\$355.00
139313	Antenna Kit, Vehicle Mount, 5 dBi with 5 m coax omni-directional. Mounts in 3/4" Hole.	\$130.00
162178	Antenna extension kit, 5 ft	\$415.00
197013	Antenna extension kit, 20 ft	\$445.00
155173	Option kit, tilt stand	\$75.00
171203	Audible alarm Not compatible with battery versions	\$315.00
22436	Cable, Comm DB9F 9 Pin Fem One end stripped and tinned on other end 6' Pin 2 (Brown) Pin 3 (Red) Pin 5 (Yellow) For use with MSI-8004HD serial ports to connect to: Scoreboard displays, printers, computers & other equipment that supports RS-232	\$65.00
183437	Battery, 5V Li-ion battery with USB power ports. Output 5V/3.0A per port (6.0 A max)Rate, 2A per port (4A if both ports are used)	\$200.00
184132 *	8004 option kit, Bluetooth® with SMA antenna	Consult
184131	8004 option kit, WiFi with SMA antenna	\$170.00
187424	8004 option kit, 2nd Xbee with TNC antenna	\$180.00
182224	Power Adapter, 12VDC 5VDC Dual USB Car Charger plus 3 ft USB Cable	\$50.00
Relays		
172500	Expanded Relays Option Kit, four-channel, 3A, 60VPK SSR form C	\$1,025.00
172501	Expanded Relays Option Kit, eight-channel, 3A 60VPK, SSR form C	\$1,365.00
Consult	Expanded Relays Option Kit, four-channel, 0.9A 200VPK, AC/DC SSR Form C	\$750.00
172502	Expanded Relays Option Kit, eight-channel, 0.9A 200VPK, SSR form C	\$1,195.00
172492	Expanded Relays Option Kit, four-channel, 12A 5V, momentary	\$725.00
172495	Expanded Relays Option Kit, eight-channel, 12A 5V, momentary	\$750.00
172490	Expanded Relays Option Kit, four-channel, 12A 5V, latching relays	\$745.00
171676	Expanded Relays Option Kit, eight-channel, 12A 5V, latching relays	\$805.00

* ScaleConnect app only works with certain Android devices. Please contact MSI for potential applications.

CB-3 Concrete Batch Controller

Multi-Scale Automated Batching System



(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
- Three dual or six single speed aggregates
- Two dual or four 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 Industrial 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