

# Command Alkon Spectrum EZ-Cal V.6 Batch System Specifications

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## **EZ-CAL SPECTRUM V.6. CONTROLLING:**

6 Aggregates, 3 Cements, 2 Waters,(metered)  
4 of 8 Admixes (metered), Manual Batch Weight  
Recording and Batch Weights to Disk  
- Color Monitor, 14"  
- Hard Drive, 1.2gb, 32 MB RAM  
- 3-1/2" Floppy and ZIP Drives  
- Uninterruptable Power Supply, 450 VA  
- Remote Diagnostics Software & Modem  
- Junction Box  
- Diskette Set, Spectrum Software, Version 6  
Manual Control Panel, 7 Independent Digital Readout (12 optional)  
Operators Manual

## **PC OPTIONS**

Dust Proof Enclosure for Computer

## **WATER**

Weighed Water Control  
Water Holding Tank, w/Selectable Hold Back  
Water Holding Tank, w/o Hold Back Control  
Second Water Meter Input  
Water Feeds Controlled (2 Standard)

## **MATERIALS (BATCH/CONTROLLED)**

Aggregate Bins Controlled (6 Standard)  
Cement Bins Controlled (3 Standard)  
Admixture Counters (4 Standard)  
Admixture Bottles Controlled (8 Standard)

## **ADDITIONAL MATERIALS**

Weighed Admix Batcher  
Additional Weighbatcher, Aggregate  
Additional Weighbatcher, Cement

## **PRINTER**

Printer, Ticket, Parallel, 15' Max.  
Pair of Parallel Short Haul Modems  
Printer, Ticket, Serial  
Serial Printer Cable 15 ft.  
Pair of Serial Short Haul Modems  
Short Haul Modem Cable, per foot

## **MOISTURE PROBE**

Automatic Moisture System  
Feet of Moisture Probe Cable

## **PLANT CONTROLS**

Blower Control (Air Slide Scale or Silo Aeration)  
Plant Dust Collector Control, Automatic  
Silo Shaker Switch w/Timer on Manual Station on I/O Box  
Silo Shaker Switch w/Timer on I/O Box  
Spray Bar Control, Auto/Manual  
Telescopic Boot Control  
Live Bottom Batchers

## **SWITCHES AND LAMPS**

Bin Lamps, Aggregate, High  
Bin Lamps, Aggregate, Low  
Bin Lamps, Cement, High  
Bin Lamps, Cement, Low  
On/Off Switch, Manual  
Motor Starter Switch, Manual

## **SOFTWARE FEATURES**

Order Entry, Delivery Ticket Printing  
Projects Software Module  
Ticket File to DOS  
Batch Weights Export to DOS File  
Inventory Export to DOS  
DOS Mix File Transfer

## **MIXER CONTROL**

Mixer Control  
Tilt Speed Control  
Shrink Mixer Control  
Mixer Load Meter  
Water Temper Control  
Wet/Dry Diverter Control  
Half Wet Control

## **ADDITIONAL I/O BOX/MANUAL STATION**

Additional I/O Box and Manual Station  
Second Manual Station

## **DISPATCH INTERFACE**

Link to Enterprise Software

## **MISC.**

Sola Transformer, 500VA

## **REMOTE TERMINAL**

Remote Color Terminal & Software  
Remote Batch Software w/Driver Interface Box

## **TECHNICAL SPECIFICATIONS**

**Physical Dimensions:** 3 3/16" x 18 1/4" x 17 9/16" (8.1 cm x 46.35 cm x 44.61 cm)

**Desktop Foot Print:** (height x width x depth) 15 1/2" high x 18 1/2" wide x 16" (39.37 cm x 46.99 cm x 40.64 cm)

**Maximum Display Capacity:** 6 digits including minus sign and decimal point (e.g. 999999, -99999, 9999.9, 999.99, 99.999, -9.999)

**Minimum Division Size:** 0.001

**Maximum Division Size:** 125 (You must limit your choice of scale division size to decimal multiples of 1, 2 or 5 to comply with NIST Handbook - 44)

**Power Supply Range:** 90 to 260 VAC, 49.5 to 60.5 Hz

**Operating Temperature:** 50° F to 104° F (+10°C to +40°C )

**Radio Frequency Interference:** Displays will not change by more than one division in the presence of "normal" RF fields. A normal scenario is defined as a 5-watt hand-held radio operated at least one meter (3.3') from the Manual Station, within the commercial radio bands between 27 and 460 MHz.

**Agency Sealing Method:** Lead-wire seal, inserted through the protruding edge of a metal shield on the underside of the enclosure. The shield prevents access to any components that can affect the weighing integrity of the device.

**Labeling:** The names of the scale materials, scale capacities, and division sizes are printed on labels which are inserted from the edge of the front control panel, and are protected from abuse by a clear overlay.

All operator controls and field-installable connectors are labeled as to their use.

Equipment identification label is a permanent, adhesive, destructible Mylar label on the left-hand side of the EZ-Cal Manual Station. A unique serial number is added at the Alkon factory with an indelible ink marker or stamp.

## **Scale Interface Specifications**

**Number of Scale Divisions:** 4000 maximum

**Load Cell Excitation:** 5 VDC, 60 mA (4 350-ohm load cells)

**Dead-Load Offset:** 0 mV to 13 mV (0% to 85% of a 3 mV/V load cell)

**Full-Scale Input:** 1.6 mV to 23.5 mV (11% to 155% of a 3 mV/V load cell)

**Under-Zero:** The display will show negative weight values below the calibrated zero point. The value "- 0" does not occur.

**Over Capacity:** The display shows "OVER" if the weight value exceeds the programmed scale capacity value.

## **Meter Counter Specifications**

**Maximum Number of Counts:** Limited only by display capacity.

**Maximum Count Rate:** Approximately 30 pulses per second, depending on duty cycle of meter contacts.

## **Moisture Probe Interface Specifications**

**Capacity:** 20.00 % X .01 %

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