

COMMANDbatch CP Products Control

Part Number: ND-CP-100

DESCRIPTION:

COMMANDbatch CP Products Control is a modern, Windows-based system that is fully compatible with standard manufactured concrete production equipment. COMMANDbatch CP Products Control is compatible with pipe and precast drainage products, blended custom dry powder concrete blends (bagged products), architectural wall panels, precast building culverts, masonry block, pavers, etc.

Base Specifications

Includes the Process Control Visualization Software. All plant processes are displayed on the operator interface (remote or local), and all plant functions are controlled by mouse or touch screen. Network to remote stations by Ethernet, fiber, or wireless. Control plant moisture probes. Mixer moisture control graphs are displayed on the operator interface (remote or local). Silo inventories are graphically displayed by the color on the operator's workstation. Plant parameters are backed up over the network by Ethernet, fiber, or wireless. Plant reports print on network printers.

Materials: 4 Aggregates, 2 Cements, 1 Water (metered), 2 of 2 Admixes (metered)

Scales: 2-Hardy Digital Indicators (HI4050)

Additional Controls: 1 Mixer Control w/single door discharge, Single Demand Control, Conveyor Discharge Interlock, Aggregate Scale Automatic Vibrator Control, Cement Scale Automatic Vibrator Control, 1 Automatic Conveyor Control, 1 Air Compressor, 2 Cement Automatic Aerations

Software Features: Over and Under Tolerance Interlocks, Scale Zero and Bottle Empty Interlocks, Scale Tolerance Checking, Plant Production and Inventory Reports

Hardware: Pentium Computer with USB Ports, Process Ethernet Connection and Management Ethernet Connection

Misc. Features: Expendable Parts Kit, Plant Wiring Diagrams, CP Software, One (1) Year Advanced Support Coverage

Key System Features

- Water compensation is automatically adjusted based on the moisture of the aggregates.
- Automatic corrections of the water amounts based on the batch size and moisture measurements. Due to mixer characteristics, this is usually not a simple 1:1 calculation.
- Real-time monitoring of the mix consistency allows COMMANDbatch CP to automatically reduce or increase mix time until the right consistency is achieved.
- Capture of unique "signature" for each mix and subsequent production of future batches to the same signature by one of two methods. Once the raw materials are introduced to the mixer, the system will either drive the mix to a consistent workability or to an exact W/C ratio. The system allows for specification of which method to use as part of the mix design configuration.
- Turbo mode to maximize production capability for systems equipped with both fine aggregate and mixer moisture probes.

GENERAL FEATURES:

- Control processes from anywhere (workstations, control panels, portable PCs)
- Flexible mix-call including remote wireless options, Handheld or Tablet PC
- Real-time water management with Command Alkon Bin Moisture Probes and Hydronix Mixer Probes
- Batch correction of aggregates and water depending upon moisture
- Data recordation including moisture graphics, Water/Cement ratio and color dry powder or liquid quantities
- Unlimited number of plants, mixes, scales, bins, mixers
- Automatic or manual process optimization, visualization, and monitoring using the bottleneck analysis feature
- Reliably produces SCC by using aggregate and dry-mix moisture
- Utilizes mixer base moisture probe of all brands to produce the perfect mix from SCC to Zero Slump concrete
- Calibration of Mix Properties from Zero Slump to SCC
- Full integration with color dispensing equipment. In the mix design, color batches are recorded with the batch record.
- Customizable for end-user/OEM changes on plant layout
- Total process control possible with integrated concrete distribution, silo monitoring, bin-filling, water reclamation and concrete temperature targets
- Extensive standard reporting with built-in report builder
- Open database and integrated excel reports offer seamless integration with enterprise and office systems including SAP and other ERP systems
- User-level security
- Multi-lingual system
- Runs on standard Windows systems without any special hardware
- Built-in data and program restoration within minutes via the corporate network
- Worldwide installation and support staff provides professional support 24/7/365

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