NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:
Scale System Controller
Batch Plant PC Application Software
Model: Archer Batching Controller (ABC+)
Version: 1.00 Revision 20100826 or Higher

Submitted By:
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Standard Features and Options

Primary weight indication and motion detection are provided by a compatible, certified indicating element.

Standard Features:

- Category 3 Audit Trail Sealing (see sealing, page 2)
- Jonel Model JL – DSD -253B Analog to Digital Conversion for Video Display
- Integral Weight Display
- Semi-automatic Zero
- Ticket Printing Capability
- Video Display of Primary Indications
- Multiple Weighing Element Interface and Identification
- Software Support for External Devices (modems, scale, and gate controller)
- Vehicle, Customer and Product ID

Options:

- Manual Console, Jonel Model JL-WC-ARCH-PLC-TA
- Alphanumeric Keyboard

System Requirements:

- Computer and Dual Monitors
- Printer and Mouse

Operating system:

- Windows 2000 or Higher

Programming language:

- C Sharp, Dot Net

Processor:

- 10 GHz, 2G RAM or Higher

This device was evaluated under the National Type Evaluation Program and was found to comply with the applicable technical requirements of "NIST Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Tim Tyson
Chairman, NCWM, Inc.

Randy Jennings
Chairman, National Type Evaluation Program Committee
Issued: September 9, 2010

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Jonel Engineering

Scale System Controller / Archer Batching Controller (ABC+)

Application: Scale system controller for batching of construction materials. The system must be used with certified and compatible weighing, and indicating elements, and may be used with certified and compatible water meters.

Identification: The required system identification information is accessible on the display monitor from the main screen by clicking on the "System Info" button at the top right of that screen. Identification information for specific devices can be viewed on the "Load Cell Calibration" screen for that device. The calibration screen is accessed by right-clicking on an indicator's displayed value and selecting "Calibrate Loadcell" from the menu.

Sealing: The video display (primary indicator) uses a Category 3 audit trail and is viewable in the "Loadcell Audit Trail" screen, which is accessed via the "Show Audit" button located on the "Load Cell Calibration" screen. The calibration screen is accessed by right-clicking on the indicator's displayed value and selecting "Calibrate Loadcell" from the menu. The approved and compatible indicating element is sealed in accordance with the sealing provisions of its certificate.

Operation: The batching sequence is initiated by the operator and proceeds automatically until each hopper scale reaches its preset weight. The weight values of each hopper are displayed on the batch controllers' computer screen. A ticket is printed upon completion of each batch. The optional manual console may be used in lieu of the standard touch screen video display.

Test Conditions: The device was interfaced with a McNeilus model: AH-40 weigh hopper (Certificate of Conformance Number 90-153A1) and a Jonel JL-DSD-253B analog to digital converter. A field evaluation was conducted. The emphasis of the evaluation was on device marking, design, operation, performance, interaction with the weighing system, and printing format.

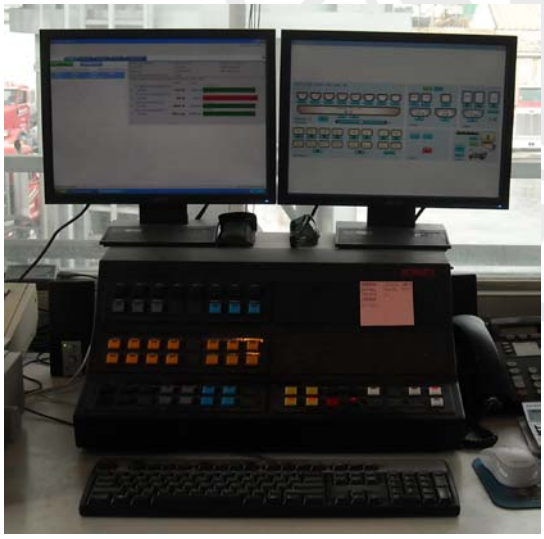
Evaluated By: N. Ingram, P. Jordan (CA)

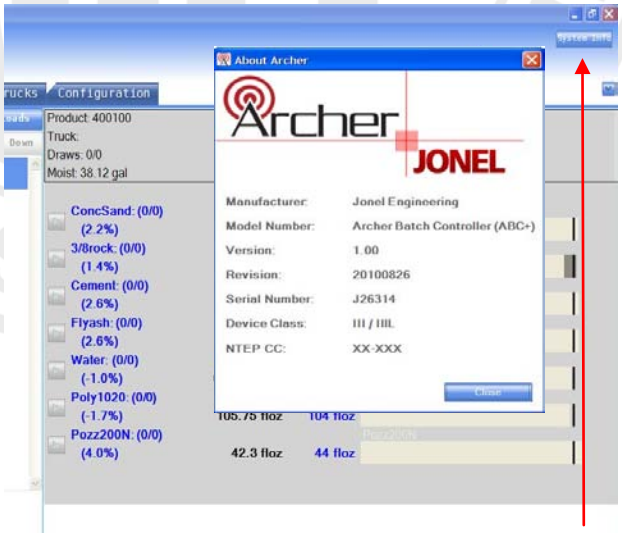
Type Evaluation Criteria Used: NIST, Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices, 2010. NCWM, Publication 14: Measuring Devices, 2010.

Conclusion: The results of the evaluation and information provided by the manufacturer indicate the device complies with applicable requirements.

Information Reviewed By: J. Truex (NCWM)

Example of Device:





Click "System Info" on main screen to open Identification