

State of California
Department of Food and Agriculture
Division of Measurement Standards

Certificate Number: 5440-05

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California Type Evaluation Program
Certificate of Approval
for Weighing and Measuring Devices

For:

Concrete Batch Plant Controller
Model: Sentry
Version: 3.400 or Higher

Submitted by:

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Standard Features and Options

Primary weight indications and motion detection are provided by the compatible and certified indicating element

Multiple load receiving element capabilities
Weight ticket printing system
Combination Manual Control Panel and Computer Interface
Vehicle, customer, and product ID
System safety interlocks

Minimum system requirements: Computer display
 Alphanumeric keyboard
 Printer
 Mouse

 Operating system: Linux
 Programming language: C++
 Hardware: IBM 300GL computer (or current model)

This device was evaluated under the California Type Evaluation Program (CTEP) and was found to comply with the applicable technical requirements of California Code of Regulations for "Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Effective Date: August 10, 2005



Mike Cleary, Director

**Erie Strayer Company
Concrete Batch Plant Controller
Model: Sentry**

Application: Batch plant controller system designed for concrete batching when used with certified and compatible indicating, metering, and weighing elements.

Identification: The system identification information is displayed on the bottom right hand side of the main menu screen. The manual control panel identification plate is a metal plate riveted to the right hand side of the case.

Sealing: The system requires no provision for sealing and is protected by a code retained by the manufacturer. Provisions for sealing metrological parameters are provided by the certified and compatible indicating and weighing elements.

Operation: The Sentry system allows either manual or automatic control of all functions of a concrete batch plant. The Combination Manual Control Panel and Computer Interface serves as an indicator, during automatic batching, or as a manual control, in the event of a failure in the automatic controls. Batch formulas are stored for each customer and job. Product loads are identified by customer, truck, and job numbers. Simulated, aborted loads, and duplicate tickets are identified on the weight ticket.

Test Conditions: The Sentry batching control system was installed in a concrete batch plant. The system was interfaced with Erie Strayer Models 30210-5K and 70210-20K hopper scale weighing elements (Certificate of Approval Number 4811-98), two Rice Lake Model 520-1A indicating elements (Certificate of Conformance Number 01-087), and a Badger Model MS Turbo water meter (Certificate of Approval Number 2256(a)-84). The emphasis of the evaluation was on design, operation, marking, printing format, and interaction with the digital weight indicators.

Results of the evaluation indicate the device complies with applicable requirements.

Type Evaluation Criteria Used: Title 4, California Code of Regulations, 2005 Edition

Tested By: Joe Raspino (CA)